

PORT EVERGLADES FRANCHISE APPLICATION

An application will not be deemed complete and ready for processing until all required documents and fees are received.

A separate application must be filed for each type of franchise applied for.

FRANCHISE TYPE

CHECK ONE

☐

STEAMSHIP AGENT

☐

STEVEDORE

☒

CARGO HANDLER

☐

TUGBOAT & TOWING

☐

VESSEL BUNKERING

☐

VESSEL OILY WASTE REMOVAL

☐

VESSEL SANITARY WASTE WATER REMOVAL

☐

MARINE TERMINAL SECURITY

☐

MARINE TERMINAL SECURITY

FIREARMS CARRYING SECURITY PERSONNEL

NON-FIREARMS CARRYING SECURITY PERSONNEL

Note: Applicant is the legal entity applying for the franchise. If the Applicant is granted the franchise, it will be the named franchisee. All information contained in this application shall apply only to the Applicant, and not to any parent, affiliate, or subsidiary entities.

Applicant's

Name Lehigh Hanson Cement South LLC

(Name as it appears on the certificate of incorporation, charter, or other legal documentation as applicable, evidencing the legal formation of the Applicant)

Applicant's Business Address 2600 Eisenhower Boulevard, Port Everglades, FL 33316

Number /

Street

City/State/Zip

Phone # (954) 523-8442

E-mail address paul.stewart @ lehighhanson.com

Fax #: (954) 523-0156

Name of the person authorized to bind the Applicant (Person's signature must appear on Page 13.)

Name Phil Detwiler

Title Vice President and General Manager

Business Address 400 Riverhills Business Park, Suite 437, Birmingham, AL 35242

Number /

Street

City/State/Zip

Phone # (205) 968-5803

E-mail address phil.detwiler @ lehighhanson.com

Fax #: () _____

Provide the Name and Contact Information of Applicant's Representative to whom questions about this application are to be directed (if different from the person authorized to bind the Applicant):

Representative's Name Paul Stewart

Representative's Title Director - Cement Terminal Operations & Logistics

Representative's Business Address 2600 Eisenhower Boulevard, Port Everglades, FL 33316

Number /

Street

City/State/Zip

Representative's Phone # (954) 375-1823

Representative's E-mail address paul.stewart @ lehighhanson.com

Representative's Fax # (954) 523-1490

PLEASE COMPLETE THIS APPLICATION AND LABEL ALL REQUIRED BACKUP DOCUMENTATION TO CLEARLY IDENTIFY THE SECTION OF THE APPLICATION TO WHICH THE DOCUMENTATION APPLIES I.E...., SECTION A, B, C, etc. .

Section A

1. List the name(s) of Applicant's officers, including, CEO, COO, CFO, director(s), member(s), partner(s), shareholder(s), principal(s), employee(s), agents, and local representative(s) active in the management of the Applicant.

Officers:

Title President
First Name Glenn Middle Name T.
Last Name Heller
Business Street Address 300 E. John Carpenter Freeway, Suite 1645
City, State, Zip Code Irving, TX 75062
Phone Number (972) 653-5500 Fax Number ()
Email Address glenn.heller @ lehighhanson.com .

Title Vice President and Chief Financial Officer
First Name Henner Middle Name _____
Last Name Boettcher
Business Street Address 300 E. John Carpenter Freeway, Suite 1645
City, State, Zip Code Irving, TX 75062
Phone Number (972) 653-5500 Fax Number ()
Email Address henner.boettcher @ lehighhanson.com .

Title Vice President and Secretary
First Name Carol Middle Name L.
Last Name Lowry
Business Street Address 300 E. John Carpenter Freeway, Suite 1645
City, State, Zip Code Irving, TX 75062
Phone Number (972) 653-5500 Fax Number ()
Email Address carol.lowry @ lehighhanson.com .

Title Vice President and General Manager
First Name Phil Middle Name _____
Last Name Detwiler
Business Street Address 400 Riverhills Business Park, Suite 437
City, State, Zip Code Birmingham, AL 35242
Phone Number (205) 968-5803 Fax Number ()
Email Address phil.detwiler @ lehighhanson.com .

Attach additional sheets if necessary.

2. RESUMES: Provide a resume for each officer, director, member, partner, shareholder, principal, employee, agent, and local representative(s) active in the management of the Applicant, as listed above.

[See Section A.2 Attachment](#)

Section B

1. Place checkmark to describe the Applicant:
() Sole Proprietorship () Corporation () Partnership () Joint Venture (X) Limited Liability Company
2. Provide copies of the documents filed at the time the Applicant was formed including Articles of Incorporation (if a corporation); Articles of Organization (if an LLC); or Certificate of Limited Partnership or Limited Liability Limited Partnership (if a partnership). If the Applicant was not formed in the State of Florida, provide a copy of the documents demonstrating that the Applicant is authorized to conduct business in the State of Florida.

Section C

1. Has there been any change in the ownership of the Applicant within the last five (5) years? e.g., any transfer of interest to another party
Yes ___ No X If "Yes," please provide details in the space provided. Attach additional sheets if necessary.
2. Has there been any name change of the Applicant or has the Applicant operated under a different name within the last five (5) years?
Yes X No ___ If "Yes," please provide details in the space provided, including: Prior name(s) and Date of name change(s) filed with the State of Florida's Division of Corporations or other applicable state agency. Attach additional sheets if necessary. [See Section C.2 attachment](#)
1. All the issued and outstanding shares of Civil Marine, Inc. were sold to Continental Florida Materials, Inc. on August 1, 2019.
2. Continental Florida Materials, Inc. merged with Civil and Marine, Inc. with Civil and Marine, Inc. on August 1, 2019, with Civil and Marine, Inc. being the surviving entity.
3. Civil and Marine, Inc. then converted into an LLC, and changed its name to Lehigh Hanson Cement South LLC on September 1, 2019.
4. Lehigh Hanson Cement South LLC filing to State of Florida's Division of Corporations on was on September 6, 2019.
3. Has there been any change in the officers, directors, executives, partners, shareholders, or members of the Applicant within the past five (5) years?
Yes X No ___ If "Yes," please provide details in the space provided, including:
Prior officers, directors, executives, partners, shareholders, members
Name(s) [See attached Certificate of Assistant Secretary \(Section C.3 attachment\)](#)
New officers, directors, executives, partners, shareholders, members
Name(s) [See attached Certificate of Assistant Secretary \(Section C.3 attachment\)](#)
Also supply documentation evidencing the changes including resolution or minutes appointing new officers, list of new principals with titles and contact information, and effective date of changes. Attach additional sheets if necessary.

Section D

Provide copies of all fictitious name registrations filed by the Applicant with the State of Florida's Division of Corporations or other State agencies. If none, indicate "None" _____.
[See Section D attachment](#)

Section E

1. Has the Applicant acquired another business entity within the last five (5) years?
Yes___ No X If "Yes," please provide the full legal name of any business entity which the Applicant acquired during the last five (5) years which engaged in a similar business activity as the business activity which is the subject of this Port Everglades Franchise Application.
If none, indicate "None" None.

2. Indicate in the space provided the date of the acquisition and whether the acquisition was by a stock purchase or asset purchase and whether the Applicant herein is relying on the background and history of the acquired firm's officers, managers, employees and/or the acquired firm's business reputation in the industry to describe the Applicant's experience or previous business history. Attach additional sheets if necessary. N/A

3. Has the Applicant been acquired by another business entity within the last five (5) years?
Yes___ No X If "Yes," provide the full legal name of any business entity which acquired the Applicant during the last five (5) years which engaged in a similar business activity as the business activity which is the subject of this Port Everglades Franchise Application.
If none, indicate "None" None.

4. Indicate in the space provided the date of the acquisition and whether the acquisition was by a stock purchase or asset purchase and whether the Applicant herein is relying on the background and history of the parent firm's officers, managers, employees and/or the parent firm's business reputation in the industry to describe the Applicant's experience or previous business history. Attach additional sheets if necessary. N/A

Section F

Provide the Applicant's previous business history, including length of time in the same or similar business activities as planned at Port Everglades. See Section F attachment

Section G

1. Provide a list of the Applicant's current managerial employees, including supervisors, superintendents, and forepersons. See Section G attachment

2. List the previous work history/experience of the Applicant's current managerial employees, including their active involvement in seaports and length of time in the same or similar business activities as planned at Port Everglades. See Section G attachment

Section H

List all seaports, including Port Everglades if application is for renewal , where the Applicant is currently performing the services/operation which is the subject of this Franchise application. **Use this form for each seaport listed. Photocopy additional pages as needed one page for each seaport listed).**

If none, state "None" _____.

Seaport Jacksonville Number of Years Operating at this Seaport 39

List below all of the Applicant's Clients for which it provides services at the seaport listed above.

Client Name (Company)	Number of Years Applicant has Provided Services to this Client
Lehigh Hanson Cement South LLC	39

Section H

List all seaports, including Port Everglades if application is for renewal , where the Applicant is currently performing the services/operation which is the subject of this Franchise application. **Use this form for each seaport listed. Photocopy additional pages as needed one page for each seaport listed).**

If none, state "None" _____.

Seaport Port Everglades Number of Years Operating at this Seaport 39

List below all of the Applicant's Clients for which it provides services at the seaport listed above.

Client Name (Company)	Number of Years Applicant has Provided Services to this Client
Lehigh Hanson Cement South LLC	39

Section H

List all seaports, including Port Everglades if application is for renewal , where the Applicant is currently performing the services/operation which is the subject of this Franchise application. **Use this form for each seaport listed. Photocopy additional pages as needed one page for each seaport listed).**

If none, state "None" _____.

Seaport Port Canaveral Number of Years Operating at this Seaport 39

List below all of the Applicant's Clients for which it provides services at the seaport listed above.

Client Name (Company)	Number of Years Applicant has Provided Services to this Client
Lehigh Hanson Cement South LLC	39

Section I

1. Provide a description of all past (within the last five (5) years) and pending litigation and legal claims where the Applicant is a named party, whether in the State of Florida or in another jurisdiction, involving allegations that Applicant has violated or otherwise failed to comply with environmental laws, rules, or regulations or committed a public entity crime as defined by Chapter 287, Florida Statutes, or theft-related crime such as fraud, bribery, smuggling, embezzlement or misappropriation of funds or acts of moral turpitude, meaning conduct or acts that tend to degrade persons in society or ridicule public morals.

The description must include all of the following:

- a) The case title and docket number
- b) The name and location of the court before which it is pending or was heard
- c) The identification of all parties to the litigation
- d) General nature of all claims being made

If none, indicate "None" None.

2. Indicate whether in the last five (5) years the Applicant or an officer, director, executive, partner, or a shareholder, employee or agent who is or was (during the time period in which the illegal conduct or activity took place) active in the management of the Applicant was charged, indicted, found guilty or convicted of illegal conduct or activity (with or without an adjudication of guilt) as a result of a jury verdict, nonjury trial, entry of a plea of guilty or nolo contendere where the illegal conduct or activity 1) is considered to be a public entity crime as defined by Chapter 287, Florida Statutes, as amended from time to time, or (2) is customarily considered to be a white-collar crime or theft-related crime such as fraud, smuggling, bribery, embezzlement, or misappropriation of funds, etc. or (3) results in a felony conviction where the crime is directly related to the business activities for which the franchise is sought.

Yes No X

If you responded "Yes," please provide all of the following information for each indictment, charge, or conviction:

- a) A description of the case style and docket number
- b) The nature of the charge or indictment
- c) Date of the charge or indictment
- d) Location of the court before which the proceeding is pending or was heard
- e) The disposition (e.g., convicted, acquitted, dismissed, etc.)
- f) Any sentence imposed
- g) Any evidence which the County (in its discretion) may determine that the Applicant and/or person found guilty or convicted of illegal conduct or activity has conducted itself, himself or herself in a manner as to warrant the granting or renewal of the franchise.

Section J

The Applicant must provide a current certificate(s) of insurance. Franchise insurance requirements are determined by Broward County's Risk Management Division and are contained in the Port Everglades Tariff No. 12 as amended, revised or reissued from time to time. The Port Everglades Tariff is contained in the Broward County Administrative Code, Chapter 42, and is available for inspection on line at: <http://www.porteverglades.net/development/tariff>. See Section J attachment

Section K

1. The Applicant must provide its most recent audited or reviewed financial statements prepared in accordance with generally accepted accounting principles, or other documents and information which demonstrate the Applicant's creditworthiness, financial responsibility, and resources, which the Port will consider in evaluating the Applicant's financial responsibility.

[See Section K attachment](#)

2. Has the Applicant or entity acquired by Applicant (discussed in Section E herein) sought relief under any provision of the Federal Bankruptcy Code or under any state insolvency law filed by or against it within the last five (5) year period?

Yes ☐ No ☒

If "Yes," please provide the following information for each bankruptcy or insolvency proceeding:

- a) Date petition was filed or relief sought
- b) Title of case and docket number
- c) Name and address of court or agency
- d) Nature of judgment or relief
- e) Date entered

3. Has any receiver, fiscal agent, trustee, reorganization trustee, or similar officer been appointed in the last five (5) year period by a court for the business or property of the Applicant?

Yes ☐ No ☒

If "Yes," please provide the following information for each appointment:

- a) Name of person appointed
- b) Date appointed
- c) Name and address of court
- d) Reason for appointment

4. Has any receiver, fiscal agent, trustee, reorganization trustee, or similar officer been appointed in the last five (5) year period by a court for any entity, business, or property acquired by the Applicant?

Yes ☐ No ☒

If "Yes," please provide the following information for each appointment:

- a) Name of person appointed
- b) Date appointed
- c) Name and address of court
- d) Reason for appointment

Section L

List four (4) credit references for the Applicant, one of which must be a bank. Use this format:

Name of Reference _____ Nature of Business _____
Contact Name _____ Title _____

Legal Business Street Address _____

City, State, Zip Code _____

Phone Number (____) _____

[See Section L attachment](#)

(Provide on a separate sheet.)

Section M

1. Security: Pursuant to Port Everglades Tariff 12, Item 960, all Franchisees are required to furnish an Indemnity and Payment Bond or Irrevocable Letter of Credit drawn on a U.S. bank in a format and an amount not less than \$20,000 as required by Broward County Port Everglades Department. [See Section M attachment](#)
2. Has the Applicant been denied a bond or letter of credit within the past five (5) years?
Yes ☐ No ☒
If "Yes," please provide a summary explanation in the space provided of why the Applicant was denied. Use additional sheets if necessary.

Section N [See Section N attachment](#)

1. Provide a list and description of all equipment currently owned and/or leased by the Applicant and intended to be used by the Applicant for the type of service(s) intended to be performed at Port Everglades including the age, type of equipment and model number.
2. Identify the type of fuel used for each piece of equipment.
3. Indicate which equipment, if any, is to be domiciled at Port Everglades.
4. Will all equipment operators be employees of the Applicant, on the payroll of the Applicant, with wages, taxes, benefits, and insurance paid by the Applicant?
Yes ☒ No ☐
If "No," please explain in the space provided who will operate the equipment and pay wages, taxes, benefits, and insurance, if the franchise is granted. Use additional sheets if necessary.

Section O

Provide a copy of the Applicant's current Broward County Business Tax Receipt (formerly Occupational License). [See Section O attachment](#)

Section P [See Section P attachment](#)

1. Provide a copy of Applicant's safety program.
2. Provide a copy of Applicant's substance abuse policy.
3. Provide a copy of Applicant's employee job training program/policy.
4. Provide information regarding frequency of training.
5. Include equipment operator certificates, if any.

Section Q

1. Has the Applicant received within the past five (5) years or does the Applicant have pending any citations, notices of violations, warning notices, or fines from any federal, state, or local environmental regulatory agencies?
Yes ☒ No ☐
2. Has the Applicant received within the past five (5) years or does the Applicant have pending any citations, notices of violations, warning notices, or civil penalties from the U.S. Coast Guard?
Yes ☐ No ☒
3. Has the Applicant received within the past five (5) years or does the Applicant have pending any citations, notices of violations, warning notices, or fines from the Occupational Safety and Health Administration?
Yes ☐ No ☒

If you responded "Yes" to any of this section's questions 1, 2, or 3 above, please provide a detailed summary for each question containing the following information: [See Section Q attachment](#)

- a) Name and address of the agency issuing the citation or notice
- b) Date of the notice
- c) Nature of the violation
- d) Copies of the infraction notice(s) from the agency
- e) Disposition of case
- f) Amount of fines, if any
- g) Corrective action taken

Attach copies of all citations, notices of violations, warning notices, civil penalties and fines issued by local, state, and federal regulatory agencies, all related correspondence, and proof of payment of fines.

4. Provide a statement (and/or documentation) which describes the Applicant's commitment to environmental protection, environmental maintenance, and environmental enhancement in the Port. [See Section Q attachment](#)

Section R

Provide written evidence of Applicant's ability to promote and develop growth in the business activities, projects or facilities of Port Everglades through its provision of the services (i.e., stevedore, cargo handler or steamship agent) it seeks to perform at Port Everglades. For first-time applicants (stevedore, cargo handler and steamship agent), the written evidence must demonstrate Applicant's ability to attract and retain new business such that, Broward County may determine in its discretion that the franchise is in the best interests of the operation and promotion of the port and harbor facilities. The term "new business" is defined in Chapter 32, Part II of the Broward County Administrative Code as may be amended from time to time.

[See Section R attachment](#)

If you have checked an Applicant box for VESSEL BUNKERING, VESSEL OILY WASTE REMOVAL, VESSEL SANITARY WASTE WATER REMOVAL, OR MARINE TERMINAL SECURITY, the following additional information is required:

☐ **VESSEL BUNKERING**

Section T- A Letter of Adequacy from the U.S. Coast Guard and a copy of the applicant's operations manual approved by the U.S. Coast Guard.

Section V- A copy of the applicant's Oil Spill Contingency Plan for Marine Transportation Related Facilities approved by the U.S. Coast Guard.

Section W- A Terminal Facility Discharge Prevention and Response Certificate with a copy of an approved Oil Spill Contingency Plan from the Florida Dept. of Environmental Protection.

Section Z- An approved Discharge Cleanup Organization Certificate from the Florida Dept. of Environmental Protection which has been issued to the applicant or to its cleanup contractor with a copy of the cleanup contract showing the expiration date.

☐ **VESSEL OILY WASTE REMOVAL**

Section S - Certificate of Adequacy in compliance with the Directives of MARPOL 73/75 and 33 CFR 158, if applicable.

Section T- A Letter of Adequacy from the U.S. Coast Guard and a copy of the Applicant's operations manual approved by the U.S. Coast Guard.

Section U- A Waste Transporter License from the Broward County Environmental Protection Department identifying the nature of the discarded hazardous (or non-hazardous) material to be transported.

Section V- A copy of the Applicant's Oil Spill Contingency Plan for Marine Transportation Related Facilities approved by the U.S. Coast Guard.

Section W- A Terminal Facility Discharge Prevention and Response Certificate with a copy of an approved Oil Spill Contingency Plan from the Florida Dept. of Environmental Protection.

Section X- A Used Oil Collector, Transporter, and Recycler Certificate from the Florida Dept. of Environmental Protection.

Section Y- An Identification Certificate from the U.S. Environmental Protection Agency.

Section Z- An approved Discharge Cleanup Organization Certificate from the Florida Dept. of Environmental Protection which has been issued to the Applicant or to its cleanup contractor with a copy of the cleanup contract showing the expiration date.

☐ **VESSEL SANITARY WASTE WATER REMOVAL**

Section U- A Waste Transporter License from the Broward County Environmental Protection Department identifying the nature of the discarded hazardous (or non-hazardous) material to be transported.

Section Z1- A copy of the Applicant's operations manual.

Section Z2- A Septage Receiving Facility Waste Hauler Discharge Permit from the Broward County Water and Wastewater Services Operations Division.

☐ **MARINE TERMINAL SECURITY**

Section N1- A list of all metal detection devices, walk-through and hand held, as well as all luggage and carryon x-ray machines owned or leased, to be used or domiciled at Port Everglades. Listing must include brand name and model.

Section N2- A copy of all manufacturers recommended service intervals and name of

company contracted to provide such services on all aforementioned equipment.

Section N3- A description of current method employed to assure all equipment is properly calibrated and functioning.

Section N4- current training requirements and training syllabus for employees operating x-ray equipment. Highlight emphasis on weapon and contraband identification. Include equipment operator certificates, if any.

Section O1- Provide copies of all local, state and federal licenses, including:

- a. A copy of the Applicant's State of Florida Business License.
- b. A copy of security agency's Manager's "M" or "MB" License and a copy of the security agency's "B" or "BB" License issued by the Florida Department of Agriculture and Consumer Services.

Section P3- SECURITY GUARDS / SUPERVISORS

- a. Provide Applicant's background requirements, education, training etc., for personnel hired as security guards.
- b. Provide historic annual turnover ratio for security guards.
- c. Provide a copy of Applicant's job training program/policy including a copy of training curriculum and copies of all manuals and take-home materials made available to security guards. Include information regarding frequency of training.
- d. Provide background requirements, experience, licensing and any and all advanced training provided to supervisory personnel.
- e. Provide present policy for individual communication devices either required of security guards or supplied by the employer.
- f. Provide procurement criteria and source as well as Applicant's certification requirements for K-9 workforce.
- g. Provide information on the number of security guards / supervisors currently employed or expected to be employed to provide security services at Port Everglades.

Supervisors _____
Class D Guards _____
Class G Guards _____
K-9 Handlers _____

Port Everglades Tariff 12

References to the Port Everglades Tariff 12 as amended or reissued: <http://www.porteverglades.net/development/tariff>

Application Fees

The following fees have been established for franchised businesses at Port Everglades. Initial processing fees are nonrefundable. A franchise is required for each category of business.

Stevedore

Initial processing fee, assignment fee, or reinstatement fee \$ 11,000.00

Annual Fee

\$ 4,000.00

Cargo Handler

Initial processing fee, assignment fee, or reinstatement fee \$ 11,000.00

Annual Fee

\$ 4,000.00

Steamship Agent

Initial processing fee, assignment fee, or reinstatement fee \$

4,000.00

Annual Fee

\$ 2,250.00

Tugboat and Towing

Initial processing fee, assignment fee, or reinstatement fee \$ 26,000.00

Annual Fee

By Contract

Vessel Bunkering, Vessel Oily Waste Removal,

Vessel Sanitary Waste Water Removal

Initial processing fee, assignment fee, or reinstatement fee \$ 4,000.00

Annual Fee

\$ 2,250.00

For first-time franchise Applicants, both the initial application fee and the annual fee must be submitted at time of application. Thereafter, annual franchise fees are due and payable each year on the franchise anniversary date, which is defined as the effective date of the franchise.

Note: Check s should be made payable to:

BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS and be mailed with this application to:

Port Everglades Business Administration Division

1850 Eller Drive, Fort Lauderdale, FL 33316

Required Public Hearing

Staff review of this application will not commence until such time as all of the above requested information and documentation has been provided and the franchise application has been determined by staff to be complete. All of the above requested information and Sections are required to be completed prior to the scheduling of the public hearing. Staff will request that the Broward County Board of County Commissioners set a public hearing to consider the franchise application and hear comments from the public. The Applicant will be notified of the Public Hearing date and must plan to attend the Public Hearing.

By signing and submitting this application, Applicant certifies that all information provided in this application is true and correct. Applicant understands that providing false or misleading information on this application may result in the franchise application being denied, or in instances of renewal, a franchise revoked. Applicant hereby waives any and all claims for any damages resulting to the Applicant from any disclosure or publication in any manner of any material or information acquired by Broward County during the franchise application process or during any inquiries, investigations, or public hearings.

Applicant further understands that if there are any changes to the information provided herein (subsequent to this application submission) or to its officers, directors, senior management personnel, or business operation as stated in this application, Applicant agrees to provide such updated information to the Port Everglades Department of Broward County, including the furnishing of the names, addresses (and other information as required above) with respect to persons becoming associated with Applicant after its franchise application is submitted, and any other required documentation requested by Port Everglades Department staff as relating to the changes in the business operation. This information must be submitted within ten (10) calendar days from the date of any change made by the Applicant.

Applicant certifies that all workers performing functions for Applicant who are subject to the Longshore and Harbor Workers' Act are covered by Longshore & Harbor Workers' Act, Jones Act Insurance, as required by federal law.

This application and all related records are subject to Chapter 119, F.S., the Florida Public Records Act.

By its execution of this application, Applicant acknowledges that it has read and understands the rules, regulations, terms and conditions of the franchise it is applying for as set forth in Chapter 32, Part II, of the Broward County Administrative Code as amended, and agrees, should the franchise be granted by Broward County, to be legally bound and governed by all such rules, regulations, terms and conditions of the franchise as set forth in Chapter 32, Part II, of the Broward County Administrative Code as amended.

The individual executing this application on behalf of the Applicant, personally warrants that s/he has the full legal authority to execute this application and legally bind the Applicant.

Signature of Applicant's Authorized Representative



Date Signed 6/8/2020

Signature name and title - typed or printed

Philip Detwiler VP/Gm Cement

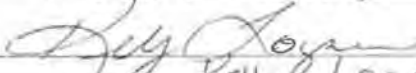
Witness Signature (*Required*)



Witness name-typed or printed

Russell Adams

Witness Signature (*Required*)



Witness name-typed or printed

Kelly Logan

If a franchise is granted, all official notices/correspondence should be sent to:

Name Paul Stewart

Title Director - Cement Terminal Operations & Logistics

Address 2600 Eisenhower Boulevard, Port Everglades, FL 33316 Phone (954) 523-8442

Section A.2



Glenn Heller

***President, South Region
Lehigh Hanson, Inc.***



Glenn Heller is President of Lehigh Hanson's South Region. Lehigh Hanson, Inc. is a wholly-owned subsidiary of HeidelbergCement, the global market leader in aggregates and a prominent player in the fields of cement, concrete, and other downstream activities.

Heller joined the company in 1997 and has extensive experience in the construction materials industry. Over the years, Heller held a variety of senior management roles within the organization and prior to his most recent position as Vice President of Finance for the South Region, he served as Vice President, Financial Planning & Analysis.

Heller holds a Bachelor of Science in Accounting from Rider University.



Henner Böttcher

***Senior Vice President and Chief Financial Officer
Lehigh Hanson, Inc.***



Henner Böttcher is Senior Vice President and Chief Financial Officer for Lehigh Hanson, Inc., a wholly-owned subsidiary of HeidelbergCement, the global market leader in aggregates and a prominent player in the fields of cement, concrete, and other downstream activities.

Böttcher joined HeidelbergCement in 2003 and has held a variety of management positions within the company's Treasury and Finance departments. He previously served as Group Treasurer for HeidelbergCement, a position he held since 2006.

Before joining HeidelbergCement, Böttcher spent seven years at Deutsche Bank. He graduated in Business Administration at the Frankfurt School of Finance & Management in Germany and is a Chartered Financial Analyst (CFA) charter holder.



Carol Lowry

***Vice President and General Counsel
Lehigh Hanson, Inc.***



Carol Lowry is Vice President & General Counsel for Lehigh Hanson, Inc., a wholly-owned subsidiary of HeidelbergCement, the global market leader in aggregates and a prominent player in the fields of cement, concrete, and other downstream activities.

Prior to joining the company, Lowry held the position of Vice President & General Counsel for Essroc. Previously she was Associate General Counsel at Carpenter Technology Corporation and also held attorney positions at FirstEnergy and Brouse McDowell.

Lowry earned her J.D. degree from Case Western Reserve University School of Law in Cleveland and has a B.A. from Carlow University in Pittsburgh.



Phil Detwiler

***Vice President, Cement Sales Southeast
Lehigh Hanson, Inc.***

Phil Detwiler is Vice President, Cement Sales Southeast, for Lehigh Hanson's South Region. Lehigh Hanson, Inc. is a wholly-owned subsidiary of HeidelbergCement, the global market leader in aggregates and a prominent player in the fields of cement, concrete, and other downstream activities.

Detwiler has been with the company since 1986 and has held a variety of senior management positions over the years.

Section C.2

CONFIDENTIAL BUSINESS INFORMATION

Step 1

STOCK PURCHASE AGREEMENT

This Stock Purchase Agreement (this “**Agreement**”), to be effective as of 12:01 a.m., Eastern Time, on August 1, 2019 (the “**Effective Time**”), is entered into by and between **Civil and Marine (Holdings) Limited**, a private limited company organized under the laws of England and Wales (“**Seller**”), and **Continental Florida Materials Inc.**, a Florida corporation (“**Buyer**”).

RECITALS

WHEREAS, Seller owns all of the issued and outstanding shares of stock (the “**Shares**”), of **Civil and Marine Inc.**, a Delaware corporation (the “**Company**”), consisting of [REDACTED] shares of common stock, no par value, and [REDACTED] shares of preferred stock, no par value, brief particulars of which are set out in Schedule 1;

WHEREAS, Seller wishes to sell to Buyer, and Buyer wishes to purchase from Seller, the Shares, subject to the terms and conditions set forth herein; and

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter set forth and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

ARTICLE I DEFINITIONS

The following terms have the meanings specified or referred to in this ARTICLE I:

“**Affiliate**” of a Person means any other Person that directly or indirectly, through one or more intermediaries, controls, is controlled by, or is under common control with, such Person. The term “control” (including the terms “controlled by” and “under common control with”) means the possession, directly or indirectly, of the power to direct or cause the direction of the management and policies of a Person, whether through the ownership of voting securities, by contract or otherwise.

“**Agreement**” has the meaning set forth in the preamble.

“**Business Day**” means any day except Saturday, Sunday or any other day on which commercial banks located in Dallas, Texas, USA or London, England, United Kingdom, are authorized or required by Law to close.

“**Buyer**” has the meaning set forth in the preamble.

“**Closing**” means the closing of the transaction contemplated by this Agreement at the Effective Time.

“**Company**” has the meaning set forth in the recitals.

“**Dollars**” or “**\$**” means the lawful currency of the United States.

CONFIDENTIAL BUSINESS INFORMATION

“Effective Time” has the meaning set forth in the preamble.

“Encumbrance” means any lien, pledge, mortgage, deed of trust, security interest, charge, claim, easement, encroachment or other similar encumbrance.

“Governmental Authority” means any federal, state, local or foreign government or political subdivision thereof, or any agency or instrumentality of such government or political subdivision, or any self-regulated organization or other non-governmental regulatory authority or quasi-governmental authority (to the extent that the rules, regulations or orders of such organization or authority have the force of Law), or any arbitrator, court or tribunal of competent jurisdiction.

“Governmental Order” means any order, writ, judgment, injunction, decree, stipulation, determination or award entered by or with any Governmental Authority.

“Law” means any statute, law, ordinance, regulation, rule, code, order, constitution, treaty, common law, judgment, decree, other requirement or rule of law of any Governmental Authority.

“Material Adverse Effect” means any event, occurrence, fact, condition or change that is materially adverse to (a) the business, results of operations, financial condition or assets of the Company, or (b) the ability of Seller to consummate the transactions contemplated hereby; *provided, however*, that “Material Adverse Effect” shall not include any event, occurrence, fact, condition or change, directly or indirectly, arising out of or attributable to: (i) general economic or political conditions; (ii) conditions generally affecting the industries in which the Company operates; (iii) any changes in financial, banking or securities markets in general, including any disruption thereof and any decline in the price of any security or any market index or any change in prevailing interest rates; (iv) acts of war (whether or not declared), armed hostilities or terrorism, or the escalation or worsening thereof; (v) any action required or permitted by this Agreement or any action taken (or omitted to be taken) with the written consent of or at the written request of Buyer; (vi) any matter of which Buyer is aware on the date hereof; (vii) any changes in applicable Laws or accounting rules (including GAAP) or the enforcement, implementation or interpretation thereof; (viii) the announcement, pendency or completion of the transactions contemplated by this Agreement, including losses or threatened losses of employees, customers, suppliers, distributors or others having relationships with the Company; (ix) any natural or man-made disaster or acts of God; or (x) any failure by the Company to meet any internal or published projections, forecasts or revenue or earnings predictions (provided that the underlying causes of such failures (subject to the other provisions of this definition) shall not be excluded).

“Permits” means all permits, licenses, franchises, approvals, authorizations, and consents required to be obtained from Governmental Authorities.

“Person” means an individual, corporation, partnership, joint venture, limited liability company, Governmental Authority, unincorporated organization, trust, association or other entity.

“Purchase Price” has the meaning set forth in Section 2.02(a).

CONFIDENTIAL BUSINESS INFORMATION

“**Representative**” means, with respect to any Person, any and all directors, officers, employees, consultants, financial advisors, counsel, accountants and other agents of such Person.

“**Seller**” has the meaning set forth in the preamble.

“**Shares**” has the meaning set forth in the recitals.

“**Taxes**” means all federal, state, local, foreign and other income, gross receipts, sales, use, production, ad valorem, transfer, franchise, registration, profits, license, lease, service, service use, withholding, payroll, employment, unemployment, estimated, excise, severance, environmental, stamp, occupation, premium, property (real or personal), real property gains, windfall profits, customs, duties or other taxes, fees, assessments or charges of any kind whatsoever, together with any interest, additions or penalties with respect thereto and any interest in respect of such additions or penalties.

“**Tax Return**” means any return, declaration, report, claim for refund, information return or statement or other document required to be filed with respect to Taxes, including any schedule or attachment thereto, and including any amendment thereof.

ARTICLE II PURCHASE AND SALE

Section 2.01 Purchase and Sale. Subject to the terms and conditions set forth herein, at the Closing, Seller shall sell to Buyer, and Buyer shall purchase from Seller, the Shares for the consideration specified in Section 2.02.

Section 2.02 Transactions to be Effected at the Closing.

(a) At the Closing, Buyer shall deliver, or cause to be delivered, to Seller [REDACTED] Dollars (“**Purchase Price**”) by wire transfer of immediately available funds to an account designated in writing by Seller to Buyer; and

(b) At the Closing, Seller shall deliver to Buyer stock certificates evidencing the Shares, free and clear of all Encumbrances, duly endorsed in blank or accompanied by stock powers or other instruments of transfer duly executed in blank.

ARTICLE III REPRESENTATIONS AND WARRANTIES OF SELLER

Seller represents and warrants to Buyer that the statements contained in this ARTICLE III are true and correct as of the date hereof.

Section 3.01 Organization and Authority of Seller. Seller is a private limited company duly organized, validly existing and in good standing under the Laws of England and Wales. Seller has all necessary corporate power and authority to enter into this Agreement, to carry out its obligations hereunder and to consummate the transactions contemplated hereby. The execution and delivery by Seller of this Agreement, the performance by Seller of its

CONFIDENTIAL BUSINESS INFORMATION

obligations hereunder and the consummation by Seller of the transactions contemplated hereby have been duly authorized by all requisite corporate action on the part of Seller. This Agreement has been duly executed and delivered by Seller, and (assuming due authorization, execution and delivery by Buyer) this Agreement constitutes a legal, valid and binding obligation of Seller, enforceable against Seller in accordance with its terms.

Section 3.02 Organization of the Company. Company is a corporation duly organized, validly existing and in good standing under the Laws of the State of Delaware.

Section 3.03 Capitalization. The authorized capital stock of the Company is as set forth in Schedule 1.

Section 3.04 No Conflicts; Consents. The execution, delivery and performance by Seller of this Agreement, and the consummation of the transactions contemplated hereby, do not and will not result in a violation or breach of any provision of the governance documents of Seller. No consent, approval, Permit, Governmental Order, declaration or filing with, or notice to, any Governmental Authority is required by or with respect to Seller in connection with the execution and delivery of this Agreement and the consummation of the transactions contemplated hereby, except for such consents, approvals, Permits, Governmental Orders, declarations, filings or notices the lack of which, in the aggregate, would not have a Material Adverse Effect on Seller's ability to consummate the transactions contemplated hereby.

Section 3.05 No Other Representations and Warranties. Except for the representations and warranties contained in this ARTICLE III, none of Seller, the Company or any other Person has made or makes any other express or implied representation or warranty, either written or oral, on behalf of Seller or the Company, including any representation or warranty as to the accuracy or completeness of any information regarding the Company furnished or made available to Buyer and its Representatives (including any information, documents or material delivered to Buyer, management presentations or in any other form in expectation of the transactions contemplated hereby) or as to the future revenue, profitability or success of the Company, or any representation or warranty arising from statute or otherwise in law.

**ARTICLE IV
REPRESENTATIONS AND WARRANTIES OF BUYER**

Buyer represents and warrants to Seller that the statements contained in this ARTICLE IV are true and correct as of the date hereof.

Section 4.01 Organization and Authority of Buyer. Buyer is a corporation duly formed, validly existing, and in good standing under the Laws of the State of Florida. Buyer has all requisite power and authority to enter into this Agreement, to carry out its obligations hereunder and to consummate the transactions contemplated hereby. The execution and delivery by Buyer of this Agreement, the performance by Buyer of its obligations hereunder and the consummation by Buyer of the transactions contemplated hereby have been duly authorized by all necessary action on the part of Buyer. This Agreement has been duly executed and delivered by Buyer, and (assuming due authorization, execution and delivery by Seller) this Agreement

CONFIDENTIAL BUSINESS INFORMATION

constitutes a legal, valid and binding obligation of Buyer, enforceable against Buyer in accordance with its terms.

Section 4.02 No Conflicts; Consents. The execution, delivery and performance by Buyer of this Agreement, and the consummation of the transactions contemplated hereby, do not and will not result in a violation or breach of any provision of the governance documents of Buyer. No consent, approval, Permit, Governmental Order, declaration or filing with, or notice to, any Governmental Authority is required by or with respect to Buyer in connection with the execution and delivery of this Agreement and the consummation of the transactions contemplated hereby, except for such consents, approvals, Permits, Governmental Orders, declarations, filings or notices which would not have a Material Adverse Effect on Buyer's ability to consummate the transactions contemplated hereby.

Section 4.03 Independent Investigation. Buyer has conducted its own independent investigation, review and analysis of the business, results of operations, prospects, condition (financial or otherwise) or assets of the Company, and acknowledges that it has been provided adequate access to the personnel, properties, assets, premises, books and records, and other documents and data of Seller and the Company for such purpose. Buyer acknowledges and agrees that: (a) in making its decision to enter into this Agreement and to consummate the transactions contemplated hereby, Buyer has relied solely upon its own investigation and the express representations and warranties of Seller set forth in ARTICLE III of this Agreement; and (b) none of Seller, the Company or any other Person has made any representation or warranty as to Seller, the Company or this Agreement, except as expressly set forth in ARTICLE III of this Agreement.

**ARTICLE V
COVENANTS**

Section 5.01 Further Assurances. Following the Closing, each of the parties hereto shall, and shall cause their respective Affiliates to, execute and deliver such additional documents, instruments, conveyances and assurances, and take such further actions as may be reasonably required to carry out the provisions hereof and give effect to the transactions contemplated by this Agreement.

Section 5.02 Transfer Taxes. All transfer, documentary, sales, use, stamp, registration, value added and other such Taxes and fees (including any penalties and interest) incurred in connection with this Agreement (including any real property transfer Tax and any other similar Tax), if any, shall be borne and paid by Buyer when due. Buyer shall, at its own expense, timely file or cause to be filed any Tax Return or other document with respect to such Taxes or fees (and Seller shall cooperate with respect thereto as necessary).

**ARTICLE VI
MISCELLANEOUS**

Section 6.01 Expenses. Except as otherwise expressly provided herein (including Section 5.02 hereof), all costs and expenses, including fees and disbursements of counsel, financial advisors and accountants, incurred in connection with this Agreement and the

CONFIDENTIAL BUSINESS INFORMATION

transactions contemplated hereby shall be paid by the party incurring such costs and expenses, whether or not the Closing shall have occurred.

Section 6.02 Notices. All notices, requests, consents, claims, demands, waivers and other communications hereunder shall be in writing and shall be deemed to have been given: (a) when delivered by hand (with written confirmation of receipt); (b) when received by the addressee if sent by a nationally recognized overnight courier (receipt requested); (c) on the date sent by facsimile or e-mail of a PDF document (with confirmation of transmission) if sent during normal business hours of the recipient, and on the next Business Day if sent after normal business hours of the recipient; or (d) on the third day after the date mailed, by certified or registered mail, return receipt requested, postage prepaid. Such communications must be sent to the respective parties at the following addresses (or at such other address for a party as shall be specified in a notice given in accordance with this Section 7.02):

If to Seller:

Hanson Limited
Hanson House
14 Castle Hill
Maidenhead, SL6 4JJ
United Kingdom
Fax: +44 1628 774232
E-mail: Edward.Gretton@Hanson.com
Attention: Head of Legal

If to Buyer:

Lehigh Hanson, Inc.
300 E. John Carpenter Freeway, Suite 1645
Irving, TX 75062
USA
Fax: 1-972-653-6185
E-mail: Carol.Lowry@LehighHanson.com
Attention: General Counsel

Section 6.03 Interpretation. For purposes of this Agreement: (a) the words “include,” “includes” and “including” shall be deemed to be followed by the words “without limitation”; (b) the word “or” is not exclusive; and (c) the words “herein,” “hereof,” “hereby,” “hereto” and “hereunder” refer to this Agreement as a whole. Unless the context otherwise requires, references herein: (x) to Articles, Sections, and Exhibits mean the Articles and Sections of, and Exhibits attached to, this Agreement; (y) to an agreement, instrument or other document means such agreement, instrument or other document as amended, supplemented and modified from time to time to the extent permitted by the provisions thereof; and (z) to a statute means such statute as amended from time to time and includes any successor legislation thereto and any regulations promulgated thereunder. This Agreement shall be construed without regard to any presumption or rule requiring construction or interpretation against the party drafting an instrument or causing any instrument to be drafted. The Exhibits referred to herein shall be construed with, and as an integral part of, this Agreement to the same extent as if they were set forth verbatim herein.

CONFIDENTIAL BUSINESS INFORMATION

Section 6.04 Headings. The headings in this Agreement are for reference only and shall not affect the interpretation of this Agreement.

Section 6.05 Severability. If any term or provision of this Agreement is invalid, illegal or unenforceable in any jurisdiction, such invalidity, illegality or unenforceability shall not affect any other term or provision of this Agreement or invalidate or render unenforceable such term or provision in any other jurisdiction. Upon such determination that any term or other provision is invalid, illegal or unenforceable, the parties hereto shall negotiate in good faith to modify this Agreement so as to effect the original intent of the parties as closely as possible in a mutually acceptable manner in order that the transactions contemplated hereby be consummated as originally contemplated to the greatest extent possible.

Section 6.06 Entire Agreement. This Agreement constitutes the sole and entire agreement of the parties to this Agreement with respect to the subject matter contained herein, and supersede all prior and contemporaneous representations, warranties, understandings and agreements, both written and oral, with respect to such subject matter. In the event of any inconsistency between the statements in the body of this Agreement, the Exhibits, the statements in the body of this Agreement will control.

Section 6.07 Successors and Assigns. This Agreement shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and permitted assigns. Neither party may assign its rights or obligations hereunder without the prior written consent of the other party, which consent shall not be unreasonably withheld or delayed. No assignment shall relieve the assigning party of any of its obligations hereunder.

Section 6.08 No Third-party Beneficiaries. This Agreement is for the sole benefit of the parties hereto and their respective successors and permitted assigns and nothing herein, express or implied, is intended to or shall confer upon any other Person or entity any legal or equitable right, benefit or remedy of any nature whatsoever under or by reason of this Agreement.

Section 6.09 Amendment and Modification; Waiver. This Agreement may only be amended, modified or supplemented by an agreement in writing signed by each party hereto. No waiver by any party of any of the provisions hereof shall be effective unless explicitly set forth in writing and signed by the party so waiving. No waiver by any party shall operate or be construed as a waiver in respect of any failure, breach or default not expressly identified by such written waiver, whether of a similar or different character, and whether occurring before or after that waiver. No failure to exercise, or delay in exercising, any right, remedy, power or privilege arising from this Agreement shall operate or be construed as a waiver thereof; nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege.

Section 6.10 Governing Law; Waiver of Jury Trial.

(a) This Agreement shall be governed by and construed in accordance with the internal laws of the State of Delaware without giving effect to any choice or conflict of law provision or rule (whether of the State of Delaware or any other jurisdiction).

CONFIDENTIAL BUSINESS INFORMATION

(b) EACH PARTY ACKNOWLEDGES AND AGREES THAT ANY CONTROVERSY WHICH MAY ARISE UNDER THIS AGREEMENT IS LIKELY TO INVOLVE COMPLICATED AND DIFFICULT ISSUES AND, THEREFORE, EACH SUCH PARTY IRREVOCABLY AND UNCONDITIONALLY WAIVES ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF ANY LEGAL ACTION ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE TRANSACTIONS CONTEMPLATED HEREBY. EACH PARTY TO THIS AGREEMENT CERTIFIES AND ACKNOWLEDGES THAT (A) NO REPRESENTATIVE OF ANY OTHER PARTY HAS REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PARTY WOULD NOT SEEK TO ENFORCE THE FOREGOING WAIVER IN THE EVENT OF A LEGAL ACTION, (B) SUCH PARTY HAS CONSIDERED THE IMPLICATIONS OF THIS WAIVER, (C) SUCH PARTY MAKES THIS WAIVER VOLUNTARILY, AND (D) SUCH PARTY HAS BEEN INDUCED TO ENTER INTO THIS AGREEMENT BY, AMONG OTHER THINGS, THE MUTUAL WAIVERS AND CERTIFICATIONS IN THIS SECTION 7.10(b).

Section 6.11 Specific Performance. The parties agree that irreparable damage would occur if any provision of this Agreement were not performed in accordance with the terms hereof and that the parties shall be entitled to specific performance of the terms hereof, in addition to any other remedy to which they are entitled at law or in equity.

Section 6.12 Counterparts. This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this Agreement delivered by facsimile, e-mail or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Agreement.

[Remainder of page intentionally left blank.]

CONFIDENTIAL BUSINESS INFORMATION

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed as of the date first written above by their respective officers thereunto duly authorized.

SELLER:

Civil and Marine (Holdings) Limited

By: Thedius R Hagg
Name: Thedius R Hagg
Title: Attorney

By: James L. Wallmann
Name: James L. Wallmann
Title: Attorney

BUYER:

Continental Florida Materials Inc.

By: Henner Böttcher
Name: Henner Böttcher
Title: Sr. Vice President & CFO

CONFIDENTIAL BUSINESS INFORMATION

SCHEDULE 1

CIVIL AND MARINE INC.

1. Date of incorporation: August 11, 2000
2. Jurisdiction of incorporation: Delaware
3. Registered number: 3274042
4. Previous names: Slagcem, Inc. – September 27, 2001
5. Authorised share capital: 11,000 shares stock:
1,000 shares of common stock, no par value
10,000 shares of preferred stock, no par value
6. Issued share capital: [REDACTED] shares of common stock, no par value
[REDACTED] shares of preferred stock, no par value
7. Shareholder(s): [REDACTED] shares of common stock – Civil and Marine (Holdings) Limited
[REDACTED] shares of preferred stock – Civil and Marine (Holdings) Limited
8. Directors: Jon Morrish
Carol L. Lowry
9. Secretary: Carol L. Lowry
10. Registered office: Corporation Service Company
251 Little Falls Drive
Wilmington, DE 19808
11. Accounting reference date: 31 December



FLORIDA DEPARTMENT OF STATE
Division of Corporations

September 3, 2019

CSC

Re: Document Number L19000215901

The Articles of Conversion and Articles of Organization were filed August 30, 2019, effective August 31, 2019, with an organizational date deemed effective December 13, 1974, for CONTINENTAL FLORIDA MATERIALS LLC, the resulting Florida Limited Liability Company.

To maintain "active" status with the Division of Corporations, an annual report must be filed yearly between January 1st and May 1st beginning in the year following the file date or effective date indicated above. If the annual report is not filed by May 1st, a \$400 late fee will be added. **It is your responsibility to remember to file your annual report in a timely manner.**

A Federal Employer Identification Number (FEI/EIN) will be required when this report is filed. Contact the IRS at 1-800-829-4933 for an SS-4 form or go to www.irs.gov.

Should you have any further questions concerning this matter, please feel free to call (850) 245-6051, the Registration Filing Section.

KYLE D BRUMBLEY
Regulatory Specialist II
Division of Corporations

Letter Number: 719A00018072

Account number: I20000000195

Amount charged: 150.00

www.sunbiz.org

Division of Corporations - P.O. BOX 6327 -Tallahassee, Florida 32314

Articles of Conversion
For
"Other Business Entity"
Into
Florida Limited Liability Company

The Articles of Conversion and attached Articles of Organization are submitted to convert the following **"Other Business Entity"** into a **Florida Limited Liability Company** in accordance with s.605.1045, Florida Statutes.

1. The name of the "Other Business Entity" immediately prior to the filing of the Articles of Conversion is:
Continental Florida Materials Inc. # 466221

(Enter Name of Other Business Entity)

2. The "Other Business Entity" is a Corporation
(Enter entity type. Example: corporation, limited partnership, general partnership, common law or business trust, etc.)

First organized, formed or incorporated under the laws of Florida
(Enter state, or if a non-U.S. entity, the name of the country)

on December 13, 1974
(date of organization, formation or incorporation)

3. The name of the Florida Limited Liability Company as set forth in the **attached Articles of Organization**:

Continental Florida Materials LLC

(Enter Name of Florida Limited Liability Company)

4. If not effective on the date of filing, enter the effective date: 8/31/19 at 11:57 p.m.

(The effective date: Cannot be prior to date of receipt or filed date nor more than 90 calendar days after the date this document is filed by the Florida Department of State.)

Note: If the date inserted in this block does not meet the applicable statutory filing requirements, this date will not be listed as the document's effective date on the Department of State's records.

5. The plan of conversion has been approved in accordance with all applicable statutes.

6. The "Converted or Other Business Entity" has agreed to pay any members having appraisal rights the amount to which such members are entitled under ss. 605.1006 and 605.1061-605.1072, F.S.

FILED
2019 AUG 30 AM 10:57
SECRETARY OF STATE
TALLAHASSEE, FLORIDA

Signed this _____ day of August _____, 20 19 _____.

Signature of Authorized Representative of Limited Liability Company:

Signature of Authorized Representative: Carol L. Lowry
Printed Name: Carol L. Lowry Title: Authorized Representative

Signature(s) on behalf of Other Business Entity: [See below for required signature(s)]

Signature: Carol L. Lowry
Printed Name: Carol L. Lowry Title: Vice President

Signature: _____
Printed Name: _____ Title: _____

Signature: _____
Printed Name: _____ Title: _____

Signature: _____
Printed Name: _____ Title: _____

Signature: _____
Printed Name: _____ Title: _____

Signature: _____
Printed Name: _____ Title: _____

If Florida Corporation:

Signature of Chairman, Vice Chairman, Director, or Officer.
If Directors or Officers have not been selected, an Incorporator must sign.

If Florida General Partnership or Limited Liability Partnership:

Signature of one General Partner.

If Florida Limited Partnership or Limited Liability Limited Partnership:

Signatures of ALL General Partners.

All others:

Signature of an authorized person.

Fees:

Articles of Conversion:	\$25.00
Fees for Florida Articles of Organization:	\$125.00
Certified Copy:	\$30.00 (Optional)
Certificate of Status:	\$5.00 (Optional)

ARTICLES OF ORGANIZATION FOR FLORIDA LIMITED LIABILITY COMPANY

ARTICLE I - Name:

The name of the Limited Liability Company is:

Continental Florida Materials LLC

(Must contain the words "Limited Liability Company," "L.L.C.," or "LLC.")

ARTICLE II - Address:

The mailing address and street address of the principal office of the Limited Liability Company is:

Principal Office Address:

300 East John Carpenter Freeway

Suite 1645

Irving, Texas 75062

Mailing Address:

300 East John Carpenter Freeway

Suite 1645

Irving, Texas 75062

ARTICLE III - Registered Agent, Registered Office, & Registered Agent's Signature:

(The Limited Liability Company cannot serve as its own Registered Agent. You must designate an individual or another business entity with an active Florida registration.)

The name and the Florida street address of the registered agent are:

Corporation Service Company

Name

1201 Hays Street

Florida street address (P.O. Box **NOT** acceptable)

Tallahassee

City

FL 32301-2525

Zip

Having been named as registered agent and to accept service of process for the above stated limited liability company at the place designated in this certificate, I hereby accept the appointment as registered agent and agree to act in this capacity. I further agree to comply with the provisions of all statutes relating to the proper and complete performance of my duties, and I am familiar with and accept the obligations of my position as registered agent as provided for in Chapter 605, F.S..


Registered Agent's Signature (REQUIRED)

Roxanne Turner
Asst. Vice President

(CONTINUED)

ARTICLE IV-

The name and address of each person authorized to manage and control the Limited Liability Company:

Title:

"AMBR" = Authorized Member

"MGR" = Manager

AMBR

Name and Address:

Lehigh Cement Company LLC

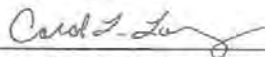
300 East John Carpenter Freeway, Suite 1645

Irving, Texas 75062

(Use attachment if necessary)

ARTICLE V: Other provisions, if any.

REQUIRED SIGNATURE:



Signature of a member or an authorized representative of a member

This document is executed in accordance with section 605.0203 (1) (b), Florida Statutes. I am aware that any false information submitted in a document to the Department of State constitutes a third degree felony as provided for in s.817.155, F.S.

Carol L. Lowry

Typed or printed name of signee

Filing Fees

\$125.00 Filing Fee for Articles of Organization and Designation of Registered Agent

\$ 30.00 Certified Copy (Optional)

\$ 5.00 Certificate of Status (Optional)



FLORIDA DEPARTMENT OF STATE
Division of Corporations

September 3, 2019

CSC
WALK-IN
ATTN: ROXANNE TURNER

Re: Document Number F00000004847

The Articles of Merger for CIVIL AND MARINE INC., the surviving Delaware entity, were filed on August 30, 2019, effective August 31, 2019.

Should you have any questions regarding this matter, please feel free to telephone (850) 245-6050, the Amendment Filing Section.

Darlene Connell
Regulatory Specialist II Supervisor
Division of Corporations

Letter Number: 119A00018095

Account number: I20000000195

Amount charged: 60.00

www.sunbiz.org

Division of Corporations - P.O. BOX 6327 -Tallahassee, Florida 32314

COVER LETTER

TO: Amendment Section
Division of Corporations

SUBJECT: Civil and Marine Inc.

Name of Surviving Party

The enclosed Certificate of Merger and fee(s) are submitted for filing.

Please return all correspondence concerning this matter to:

Amy Yi

Contact Person

Civil and Marine Inc.

Firm/Company

300 E. John Carpenter Fwy, Suite 1645

Address

Irving, TX 75062

City, State and Zip Code

Amy.Yi@lehighhanson.com

E-mail address: (to be used for future annual report notification)

For further information concerning this matter, please call:

Weldon M. Woodall

at (214) 651-2035

Name of Contact Person

Area Code

Daytime Telephone Number

☐ Certified copy (optional) \$30.00

STREET ADDRESS:

Amendment Section
Division of Corporations
Clifton Building
2661 Executive Center Circle
Tallahassee, FL 32301

MAILING ADDRESS:

Amendment Section
Division of Corporations
P. O. Box 6327
Tallahassee, FL 32314

CR2E080 (2/14)

Articles of Merger
For
Florida Limited Liability Company

The following Articles of Merger is submitted to merge the following Florida Limited Liability Company(ies) in accordance with s. 605.1025, Florida Statutes.

FIRST: The exact name, form/entity type, and jurisdiction for each merging party are as follows:

<u>Name</u>	<u>Jurisdiction</u>	<u>Form/Entity Type</u>
Continental Florida Materials LLC	Florida	Limited Liability Company

SECOND: The exact name, form/entity type, and jurisdiction of the surviving party are as follows:

<u>Name</u>	<u>Jurisdiction</u>	<u>Form/Entity Type</u>
Civil and Marine Inc.	Delaware	Corporation

THIRD: The merger was approved by each domestic merging entity that is a limited liability company in accordance with ss.605.1021-605.1026; by each other merging entity in accordance with the laws of its jurisdiction; and by each member of such limited liability company who as a result of the merger will have interest holder liability under s.605.1023(1)(b).

FILED
 DIVISION OF CORPORATIONS
 19 AUG 30 PM 12:30

FOURTH: Please check one of the boxes that apply to surviving entity: (if applicable)

- ☐ This entity exists before the merger and is a domestic filing entity, the amendment, if any to its public organic record are attached.
- ☐ This entity is created by the merger and is a domestic filing entity, the public organic record is attached.
- ☐ This entity is created by the merger and is a domestic limited liability partnership or a domestic limited liability partnership, its statement of qualification is attached.
- ☐ This entity is a foreign entity that does not have a certificate of authority to transact business in this state. The mailing address to which the department may send any process served pursuant to s. 605.0117 and Chapter 48, Florida Statutes is:

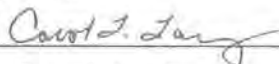
FIFTH: This entity agrees to pay any members with appraisal rights the amount, to which members are entitled under ss.605.1006 and 605.1061-605.1072, F.S.

SIXTH: If other than the date of filing, the delayed effective date of the merger, which cannot be prior to nor more than 90 days after the date this document is filed by the Florida Department of State:

August 31, 2019 at 11:59 p.m. Eastern Time

Note: If the date inserted in this block does not meet the applicable statutory filing requirements, this date will not be listed as the document's effective date on the Department of State's records.

SEVENTH: Signature(s) for Each Party:

Name of Entity/Organization:	Signature(s):	Typed or Printed Name of Individual:
Continental Florida Materials LLC		Carol L. Lowry
Civil and Marine Inc.		Carol L. Lowry

Corporations:	Chairman, Vice Chairman, President or Officer (If no directors selected, signature of incorporator.)
General partnerships:	Signature of a general partner or authorized person
Florida Limited Partnerships:	Signatures of all general partners
Non-Florida Limited Partnerships:	Signature of a general partner
Limited Liability Companies:	Signature of an authorized person

Fees:	For each Limited Liability Company:	\$25.00	For each Corporation:	\$35.00
	For each Limited Partnership:	\$52.50	For each General Partnership:	\$25.00
	For each Other Business Entity:	\$25.00	<u>Certified Copy (optional):</u>	\$30.00

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "CIVIL AND MARINE INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "CIVIL AND MARINE INC." TO "LEHIGH HANSON CEMENT SOUTH LLC", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF AUGUST, A.D. 2019, AT 2:07 O`CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE FIRST DAY OF SEPTEMBER, A.D. 2019 AT 12:01 O'CLOCK A.M.

A handwritten signature of Jeffrey W. Bullock in black ink, written over a horizontal line.

Jeffrey W. Bullock, Secretary of State

3274042 8100V
SR# 20196811182

Authentication: 203518195
Date: 09-03-19

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware
Secretary of State
Division of Corporations
Delivered 02:07 PM 08/30/2019
FILED 02:07 PM 08/30/2019
SR 20196811182 - File Number 3274042

**STATE OF DELAWARE
CERTIFICATE OF CONVERSION
FROM A CORPORATION TO A
LIMITED LIABILITY COMPANY PURSUANT TO
SECTION 18-214 OF THE LIMITED LIABILITY ACT**

- 1.) The jurisdiction where the corporation first formed is the State of Delaware.
- 2.) The jurisdiction immediately prior to filing this Certificate is the State of Delaware.
- 3.) The date the corporation first formed is August 11, 2000.
- 4.) The name of the corporation immediately prior to filing this Certificate is Civil and Marine Inc.
- 5.) The name of the Limited Liability Company as set forth in the Certificate of Formation is Lehigh Hanson Cement South LLC.
- 6.) The conversion will become effective at 12:01 a.m., Eastern Time, on September 1, 2019.

[Signature Page Follows]

IN WITNESS WHEREOF, the undersigned authorized officer has executed this Certificate of Conversion on the 30 day of August, 2019.

CIVIL AND MARINE INC.

By: Carol L. Lowry
Name: Carol L. Lowry
Title: Vice President

MI9000008631

(Requestor's Name)

(Address)

(Address)

(City/State/Zip/Phone #)

☐ PICK-UP ☐ WAIT ☐ MAIL

(Business Entity Name)

(Document Number)

Certified Copies _____ Certificates of Status _____

Special Instructions to Filing Officer:

Office Use Only



100333795941

2019 SEP -6 AM 11:51

B KINSEY
SEP 09 2019

CORPORATION SERVICE COMPANY
1201 Hays Street
Tallahassee, FL 32301
Phone: 850-558-1500

ACCOUNT NO. : I20000000195
REFERENCE : 903272 7714122
AUTHORIZATION : *[Signature]*
COST LIMIT : \$ 125.00

ORDER DATE : August 30, 2019
ORDER TIME : 2:41 PM
ORDER NO. : 903272-035
CUSTOMER NO: 7714122

FOREIGN FILINGS

NAME: LEHIGH HANSON CEMENT SOUTH LLC

XXXX QUALIFICATION (TYPE: CO)

PLEASE RETURN THE FOLLOWING AS PROOF OF FILING:

 CERTIFIED COPY
XX PLAIN STAMPED COPY
 CERTIFICATE OF GOOD STANDING

CONTACT PERSON: Amanda Robinson-- EXT# 62968

EXAMINER: _____

2019 SEP -6 AM 11:51
FILED

2019 SEP -6 PM 4:24
FILED

COVER LETTER

TO: Registration Section
Division of Corporations

SUBJECT: Lehigh Hanson Cement South LLC

Name of Limited Liability Company

The enclosed "Application by Foreign Limited Liability Company for Authorization to Transact Business in Florida," Certificate of Existence, and check are submitted to register the above referenced foreign limited liability company to transact business in Florida.

Please return all correspondence concerning this matter to the following:

Name of Person

Firm/Company

Address

City/State and Zip Code

E-mail address: (to be used for future annual report notification)

For further information concerning this matter, please call:

Name of Contact Person

at ()

Area Code

Daytime Telephone Number

MAILING ADDRESS:

Division of Corporations
Registration Section
P.O. Box 6327
Tallahassee, FL 32314

STREET ADDRESS:

Division of Corporations
Registration Section
Clifton Building
2661 Executive Center Circle
Tallahassee, FL 32301

Enclosed is a check for the following amount:

Please make check payable to: **FLORIDA DEPARTMENT OF STATE**

- ☐ \$125.00 Filing Fee ☐ \$130.00 Filing Fee & Certificate of Status ☐ \$155.00 Filing Fee & Certified Copy ☐ \$160.00 Filing Fee, Certificate of Status & Certified Copy

2019 SEP -6 AM 11:51

RECEIVED

**APPLICATION BY FOREIGN LIMITED LIABILITY COMPANY FOR AUTHORIZATION TO TRANSACT BUSINESS
IN FLORIDA**

IN COMPLIANCE WITH SECTION 605.0902, FLORIDA STATUTES, THE FOLLOWING IS SUBMITTED TO REGISTER A FOREIGN LIMITED LIABILITY COMPANY TO TRANSACT BUSINESS IN THE STATE OF FLORIDA:

1. Lehigh Hanson Cement South LLC
(Name of Foreign Limited Liability Company; must include "Limited Liability Company," "L.L.C.," or "LLC.")

(If name unavailable, enter alternate name adopted for the purpose of transacting business in Florida. The alternate name must include "Limited Liability Company," "L.L.C.," or "LLC.")

2. Delaware 3. _____
(Jurisdiction under the law of which foreign limited liability company is organized) (FEI number, if applicable)

4. September 1, 2019
(Date first transacted business in Florida, if prior to registration)
(See sections 605.0904 & 605.0905, F.S. to determine penalty liability)

5. 300 E. John Carpenter Freeway, Suite 1645 6. 300 E. John Carpenter Freeway, Suite 1645
(Street Address of Principal Office) (Mailing Address)
Irving, TX 75062 Irving, TX 75062

7. Name and street address of Florida registered agent: (P.O. Box NOT acceptable)

Name: Corporation Service Company
Office Address: 1201 Hays Street
Tallahassee, Florida 32301
(City) (Zip code)

Registered agent's acceptance:

Having been named as registered agent and to accept service of process for the above stated limited liability company at the place designated in this application, I hereby accept the appointment as registered agent and agree to act in this capacity. I further agree to comply with the provisions of all statutes relative to the proper and complete performance of my duties, and I am familiar with and accept the obligations of my position as registered agent.

By: Corporation Service Company

(Registered agent's signature)

Lydia Cohen
Asst. Vice President

2019 SEP -6 AM 11:51

FILED

8. For initial indexing purposes, list names, title or capacity and addresses of the primary members/managers or persons authorized to manage [up to six (6) total]:

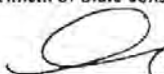
<u>Title or Capacity:</u>	<u>Name and Address:</u>	<u>Title or Capacity:</u>	<u>Name and Address:</u>
<input checked="" type="checkbox"/> Manager	Name: Jonathan P. Morrish	<input checked="" type="checkbox"/> Manager	Name: Carol L. Lowry
<input type="checkbox"/> Member	Address: 300 E. John Carpenter Freeway	<input type="checkbox"/> Member	Address: 300 E. John Carpenter Freeway
<input type="checkbox"/> Authorized	Suite 1645, Irving, TX 75062	<input type="checkbox"/> Authorized	Suite 1645, Irving, TX 75062
Person		Person	
<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Other
<input type="checkbox"/> Manager	Name:	<input type="checkbox"/> Manager	Name:
<input type="checkbox"/> Member	Address:	<input type="checkbox"/> Member	Address:
<input type="checkbox"/> Authorized		<input type="checkbox"/> Authorized	
Person		Person	
<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Other
<input type="checkbox"/> Manager	Name:	<input type="checkbox"/> Manager	Name:
<input type="checkbox"/> Member	Address:	<input type="checkbox"/> Member	Address:
<input type="checkbox"/> Authorized		<input type="checkbox"/> Authorized	
Person		Person	
<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> Other

2019 SEP - 6 AM 11:51

Important Notice: Use an attachment to report more than six (6). The attachment will be imaged for reporting purposes only. Non-indexed individuals may be added to the index when filing your Florida Department of State Annual Report form.

9. Attached is a certificate of existence, no more than 90 days old, duly authenticated by the official having custody of records in the jurisdiction under the law of which it is organized. (If the certificate is in a foreign language, a translation of the certificate under oath of the translator must be submitted)

10. This document is executed in accordance with section 605.0203 (1) (b), Florida Statutes. I am aware that any false information submitted in a document to the Department of State constitutes a third degree felony as provided for in s.817.155, F.S.



Signature of an authorized person

Amy C. Yi

Typed or printed name of signer

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "LEHIGH HANSON CEMENT SOUTH LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE THIRD DAY OF SEPTEMBER, A.D. 2019.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "LEHIGH HANSON CEMENT SOUTH LLC" WAS FORMED ON THE ELEVENTH DAY OF AUGUST, A.D. 2000.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE BEEN PAID TO DATE.



3274042 8300

SR# 20196840221

You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature in black ink, appearing to read "JB", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed.

Authentication: 203519469

Date: 09-03-19

6/7/2020 S

Det S y Ent ty N S ne S

Detail by Entity Name S

Fore gn L m ted L S ty Comp ny S
LEHIGH HAN SON CEMENT SOUTH LLC S

Filing Information S

Document Number S M19000008631 S
FEI/EIN Number S NONE S
Date Filed S 09/06/2019 S
State S DE S
Status S ACTIVE S

Principal Address S

300 E JOHN CARPENTER FREEWAY, SE 1645 S
IRVING, TX 75062 S

Mailing Address S

300 E JOHN CARPENTER FREEWAY, SE 1645 S
IRVING, TX 75062 S

Registered Agent Name & Address S

CORPORATIONS SERVICE COMPANY S
1201 HAY STREET S
TALLAHASSEE, FL 32301-2525 S

Authorized Person(s) Detail S

Name & Address S

Title MGRS

MORRIS, JONATHAN P S
300 E JOHN CARPENTER FREEWAY, SE 1645 S
IRVING, TX 75062 S

Title MGRS

LOWRY, CAROL L S
300 E JOHN CARPENTER FREEWAY, SE 1645 S
IRVING, TX 75062 S

Annual Reports S

No Annual Reports Filed S

Document Images S

[09/06/2019 - S Fore gn L m ted](#) [View Images & PDF form at SS](#)

6/7/2020 S

Det S y Ent ty N 3ne S

FLORIDA DEPARTMENT of STATE

DIVISION of CORPORATIONS



[Dep rtment of t te](#) / [D v s on of Corpor t ons](#) / [SS_e rch Records](#) / [SS_e rch S y Ent ty N 3ne](#) / S

Section C.3

CERTIFICATE OF ASSISTANT SECRETARY
OF
CONTINENTAL FLORIDA MATERIALS INC.


I, AMY C. YI, do hereby certify that I am the duly elected, qualified and acting Assistant Secretary of CONTINENTAL FLORIDA MATERIALS INC., a Florida corporation (the "Company"), do hereby certify as follows:

1. Henner Boettcher was appointed as Vice President and Chief Financial Officer of the Company, effective as of March 19, 2015.
2. Phil Detwiler was appointed as Vice President and General Manager of the Company, effective as of September 12, 2011.
3. Glenn T. Heller was appointed as President of the Company, effective as of April 1, 2016.
4. Carol L. Lowry was appointed as Vice President and Secretary of the Company, effective as of January 1, 2017.
5. Jonathan P. Morrish was removed as President of the Company, effective as of April 1, 2016.
6. William H. Venema was appointed as Vice President and Secretary of the Company, effective as of May 1, 2015.
7. William H. Venema was removed as Vice President and Secretary of the Company, effective as of December 31, 2016.

IN WITNESS WHEREOF, the undersigned has hereunto subscribed her name and affixed hereto the official seal of the Company on this 13th day of February, 2019.

[CORPORATE SEAL]




Amy C. Yi
Assistant Secretary

Section D

APPLICATION FOR REGISTRATION OF FICTITIOUS NAME

Note: Acknowledgements/certificates will be sent to the address in Section 1 only.

Section 1

1. Lehigh Cement Company
Fictitious Name to be Registered (see instructions if name includes "Corp" or "Inc")
- 300 E. John Carpenter Fwy. #1645
Mailing Address of Business
Irving, TX 75062
City State Zip Code
3. Florida County of principal place of business: Broward
(see instructions if more than one county)
- FEI Number: _____

This space for office use only

Section 2

A. Owner(s) of Fictitious Name If Individual(s): (Use an attachment if necessary):

- | | |
|--|--|
| 1. Last _____ First _____ M.I. _____
Address _____
City _____ State _____ Zip Code _____ | 2. Last _____ First _____ M.I. _____
Address _____
City _____ State _____ Zip Code _____ |
|--|--|

B. Owner(s) of Fictitious Name If other than an individual: (Use attachment if necessary):

- | | |
|---|--|
| 1. <u>Continental Florida Materials Inc.</u>
<small>Entity Name</small>
<u>2600 Eisenhower Boulevard</u>
<small>Address</small>
<u>Ft. Lauderdale, FL 33316</u>
<small>City State Zip Code</small>
<u>Florida Document Number 466221</u>
<small>FEI Number: 59-1616110</small>
<input type="checkbox"/> Applied for <input type="checkbox"/> Not Applicable | 2. _____
<small>Entity Name</small>

<small>Address</small>

<small>City State Zip Code</small>
<u>Florida Document Number</u> _____
<small>FEI Number: _____</small>
<input type="checkbox"/> Applied for <input type="checkbox"/> Not Applicable |
|---|--|

Section 3

I the undersigned, being an owner in the above fictitious name, certify that the information indicated on this form is true and accurate. In accordance with Section 865.09, F.S., I further certify that the fictitious name to be registered has been advertised at least once in a newspaper as defined in chapter 50, Florida Statutes, in the county where the principal place of business is located. I understand that the signature below shall have the same legal effect as if made under oath and I am aware that false information submitted in a document to the Department of State constitutes a third degree felony as provided for in s. 817.155, F.S.

[Signature] 04/04/2014
Signature of Owner Date

E-mail address: (to be used for future renewal notification)

Phone Number: _____

Section 4

**FOR CANCELLATION COMPLETE SECTION 4 ONLY:
FOR FICTITIOUS NAME OR OWNERSHIP CHANGE COMPLETE SECTIONS 1 THROUGH 4:**

I (we) the undersigned, hereby cancel the fictitious name _____
_____, which was registered on _____ and was assigned
registration number _____

Signature of Owner

Date

Signature of Owner

Date

Mark the applicable boxes ☐ Certificate of Status — \$10 ☐ Certified Copy — \$30

NON-REFUNDABLE PROCESSING FEE: \$50

Section F

Business History and Corporation Relationships

Business History:

Lehigh Hanson Cement South LLC ("LHCS") and its predecessor companies including Continental Florida Materials Inc. ("CFM") and Civil and Marine, Inc. ("CMI") have been operating in Port Everglades, as well as other Florida seaports (Cape Canaveral and Jacksonville), for thirty-nine (39) years as cement importers and distributors. LHCS has been a primary source of cement for the east coast of Florida. The services being applied for are for LHCS's internal use. LHCS does not, and has not, used these services for contracting to other companies. LHCS is in good standing within all of our Florida seaports.

Corporation Relationships:

At the time of LHCS's last application in 2019 under CFM name, CFM was a wholly-owned subsidiary of Lehigh Cement Company LLC ("Lehigh"). Lehigh was a wholly-owned subsidiary of HeidelbergCement AG ("HeidelbergCement"), located in Heidelberg, Germany.

In 2007, HeidelbergCement acquired Hanson PLC, creating a multi-national provider of cement, aggregates, ready mixed concrete and other construction materials. This purchase had no impact on CFM. CFM became a wholly-owned subsidiary of a newly named company, Lehigh Hanson, Inc. ("Lehigh Hanson") CFM's Florida management has not changed since our last filing in 2002.

In 2016, HeidelbergCement completed the acquisition of Italcementi. In North America, Essroc, a subsidiary of Italcementi that operated cement, ready mixed concrete and aggregate facilities, was integrated into the Lehigh Hanson businesses.

In 2019, all the issued and outstanding shares of CMI were sold to CFM. CFM merged with CMI on August 1, 2019, with CMI being the surviving entity. CMI then converted into an LLC, and changed its name to LHCS on September 1, 2019.

Today, Lehigh, Essroc and Hanson business in North America are collectively known as Lehigh Hanson, Inc. with approximately 550 active locations.

Section G

Paul Stewart

Education

BSc Chemical Engineering, Queen's University, Canada
BA Chemistry, Queen's University, Canada

Professional Experience

Director of Terminal Operations & Logistics	Lehigh Cement (South Region)	2018	Present
Area Cement Operations Manager	Lehigh Cement (North Region)	2016	2018
VP of Operations	Essroc	2014	2016
Plant Manager	Essroc	2005	2014
Sr Project Manager	Essroc	2003	2005
Plant Manager	Holcim	2000	2003
Plant Manager	Blue Circle	1998	2000
Production Manager	Essroc	1995	1998
Process Engineer	Essroc	1989	1995

Carlos Gonzalez

Education

Master of Science, Mechanical Engineering, University of Missouri, Columbia, MO
BS Mechanical Engineering, Universidad Del Norte, Barranquilla, Colombia

Professional Experience

Terminal Manager	Continental Florida Materials	2016	Present
Florida Projects Manager	Titan America	2008	2016
US Logistics Manager	Argos USA	2005	2008
Terminal Manager	Argos USA	2001	2004
Director Project Eng	World Minerals	1996	2000
Project Manager	Cementos del Caribe (Argos)	1992	1996

Professional Certification

Professional Engineer FL 79615

Dennis Willover

Professional Experience

Assistant Terminal Mgr	Continental Florida Materials	2016	Present
Terminal Manager	Continental Florida Materials	2010	2016
Vessel & Dispatch Ops	Continental Florida Materials	2004	2010
Dispatch Operations	Continental Florida Materials	2000	2004

Section J



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/30/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Marsh USA, Inc. 4400 Comerica Bank Tower 1717 Main Street Dallas, TX 75201-7357 Attn: Hanson.Request@marsh.com Fax: 212-948-5371 C 100		CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL: ADDRESS:															
INSURED Continental Florida Materials Inc. 2600 Eisenhower Boulevard Port Everglades, FL 33316		INSURER(S) AFFORDING COVERAGE <table border="1"> <tr> <th>INSURER</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A : Liberty Mutual Fire Insurance Company</td> <td>23035</td> </tr> <tr> <td>INSURER B : Liberty Insurance Corporation</td> <td>42404</td> </tr> <tr> <td>INSURER C :</td> <td></td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table>		INSURER	NAIC #	INSURER A : Liberty Mutual Fire Insurance Company	23035	INSURER B : Liberty Insurance Corporation	42404	INSURER C :		INSURER D :		INSURER E :		INSURER F :	
INSURER	NAIC #																
INSURER A : Liberty Mutual Fire Insurance Company	23035																
INSURER B : Liberty Insurance Corporation	42404																
INSURER C :																	
INSURER D :																	
INSURER E :																	
INSURER F :																	

COVERAGES **CERTIFICATE NUMBER:** HOU-003292831-30 **REVISION NUMBER:** 26

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER			TB2-631-509529-030	01/01/2020	01/01/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 250,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			AS2-631-509529-020	01/01/2020	01/01/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ UMBRELLA LIAB OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WA7-63D-509529-010 (AOS) WC7-631-509529-050 (MN, WI)	01/01/2020 01/01/2020	01/01/2021 01/01/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Approximately 4.91 acres of land out of Port Everglades Plat No. 13 as recorded in Plat Book 115 Page 12 in Broward County, FL together with approximately 20 Silos, a bagging warehouse (5,000 sq'), an office (6,561 sq') and other miscellaneous structures (5,475 sq') located at 2600 Eisenhower Boulevard, Port Everglades, Florida
 Certificate Holder is included as Additional Insured (except as respects all coverage afforded by the Workers' Compensation policy) with regards to claims arising out of the operations of the Named Insured, where required by written contract. The General Liability policy includes Named Peril Pollution Liability Coverage with Limited Offsite Pollution Liability Coverage (additional insured provision does not apply).

CERTIFICATE HOLDER Broward County, 1850 Eller Drive, Ft. Lauderdale, FL 33316	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE of Marsh USA Inc. Manashi Mukherjee <i>Manashi Mukherjee</i>
---	--

AGENCY CUSTOMER ID: CN102608882

LOC #: Dallas



ADDITIONAL REMARKS SCHEDULE

Page 2 of 2

AGENCY Marsh USA, Inc.		NAMED INSURED Continental Florida Materials Inc. 2600 Eisenhower Boulevard Port Everglades, FL 33316
POLICY NUMBER		
CARRIER	NAIC CODE	
EFFECTIVE DATE:		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

USL&H is included in workers' compensation, subject to policy terms and conditions. ✓

LONGSHORE AND HARBOR WORKERS'
COMPENSATION ACT COVERAGE ENDORSEMENT

This endorsement applies only to work subject to the Longshore and Harbor Workers' Compensation Act in a state shown in the Schedule. The policy applies to that work as though that state were listed in Item 3.A. of the Information Page.

General Section C. Workers' Compensation Law is replaced by the following:

C. Workers' Compensation Law

Workers' Compensation Law means the workers or workmen's compensation law and occupational disease law of each state or territory named in Item 3.A. of the Information Page and the Longshore and Harbor Workers' Compensation Act (33 USC Sections 901-950). It includes any amendments to those laws that are in effect during the policy period. It does not include any other federal workers or workmen's compensation law, other federal occupational disease law or the provisions of any law that provide nonoccupational disability benefits.

Part Two (Employers Liability Insurance), C. Exclusions., exclusion 8, does not apply to work subject to the Longshore and Harbor Workers' Compensation Act.

This endorsement does not apply to work subject to the Defense Base Act, the Outer Continental Shelf Lands Act, or the Nonappropriated Fund Instrumentalities Act.

Schedule

<u>State</u>	<u>Longshore and Harbor Workers' Compensation Act Coverage Percentage</u>
--------------	---

REFER TO SCHEDULE GPO 2926 FOR STATES AND PERCENTAGES

The rates for classifications with code numbers not followed by the letter "F" are rates for work not ordinarily subject to the Longshore and Harbor Workers' Compensation Act. If this policy covers work under such classifications, and if the work is subject to the Longshore and Harbor Workers' Compensation Act, those non-F classification rates will be increased by the Longshore and Harbor Workers' Compensation Act Coverage Percentage shown in the Schedule.

Issued by Liberty Insurance Corporation 21814

For attachment to Policy No. WA7-63D-509529-010

Effective Date

Premium \$

Issued to Lehigh Hanson, Inc.

POLICY NUMBER: TB2-631-509529-030

COMMERCIAL GENERAL LIABILITY
CG 20 10 04 13

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – SCHEDULED PERSON OR
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or

2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

SCHEDULE

**Name Of Additional Insured Person(s)
Or Organization(s):**

Location(s) Of Covered Operations

Broward County, 1850 Eller Drive, Ft. Lauderdale, FL
33316. This endorsement applies to the LN 04 07 06
05 Named Peril Pollution Liability Coverage

All job locations of the insured

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

POLICY NUMBER: TB2-631-509529-030

COMMERCIAL GENERAL LIABILITY
CG 20 37 04 13

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

SCHEDULE

**Name Of Additional Insured Person(s)
Or Organization(s):**

Location And Description Of Completed Operations

Broward County, 1850 Eller Drive, Ft. Lauderdale, FL
33316 This endorsement applies to the LN 04 07 06 05
Named Peril Pollution Liability Coverage

All job locations of the Insured

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Section K

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Consolidated income statement

€m	Notes	2018 ¹⁾	2019
Revenue	1	18,074.6	18,851.3
Change in finished goods and work in progress		57.6	67.0
Own work capitalised		19.9	21.0
Operating revenue		18,152.0	18,939.3
Other operating income	2	523.7	431.3
Material costs	3	-7,478.1	-7,586.1
Employee and personnel costs	4	-3,031.7	-3,187.4
Other operating expenses	5	-5,311.4	-5,306.6
Result from equity accounted investments (REI)	6	245.6	289.6
Result from current operations before depreciation and amortisation (RCOBD)		3,100.1	3,580.2
Depreciation and amortisation	7	-1,090.5	-1,394.0
Result from current operations		2,009.6	2,186.3
Additional ordinary income	8	240.2	164.7
Additional ordinary expenses	8	-131.8	-342.9
Additional ordinary result		108.3	-178.2
Earnings before interest and taxes (EBIT)		2,117.9	2,008.1
Interest income		49.1	52.0
Interest expenses	9	-320.8	-316.9
Foreign exchange gains and losses		1.4	-6.8
Result from other participations		-2.8	-15.2
Other financial result	10	-80.3	-88.2
Financial result		-353.4	-375.1
Profit before tax from continuing operations		1,764.5	1,633.0
Income taxes	11	-464.1	-358.4
Net income from continuing operations		1,300.3	1,274.6
Net loss from discontinued operations	12	-14.2	-32.4
Profit for the financial year		1,286.2	1,242.2
Thereof non-controlling interests		143.2	151.3
Thereof Group share of profit		1,143.0	1,090.9
Thereof proposed dividend	13	416.7	436.5
Earnings per share in € (IAS 33)	14		
Earnings per share attributable to the parent entity		5.76	5.50
Earnings per share – continuing operations		5.83	5.66
Loss per share – discontinued operations		-0.07	-0.16

1) Amounts were adjusted (see section "Other changes", page 119 f.).

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Consolidated statement of comprehensive income

€m	2018	2019
Profit for the financial year	1,286.2	1,242.2
Other comprehensive income		
Items not being reclassified to profit or loss in subsequent periods		
Remeasurement of the defined benefit liability (asset)	184.8	-70.9
Income taxes	-35.2	11.8
Defined benefit plans	149.6	-59.1
Investments in equity instruments – change in fair value	-11.4	-35.6
Net gains/losses arising from equity method investments	-5.2	0.4
Total	133.0	-94.4
Items that maybe be reclassified subsequently to profit or loss		
Cash flow hedges – change in fair value	3.3	-4.0
Reclassification adjustments for gains/losses included in profit or loss	-5.7	1.0
Income taxes	0.3	0.6
Cash flow hedges	-2.1	-2.4
Currency translation	156.0	764.3
Reclassification adjustments for gains/losses included in profit or loss		138.8
Income taxes	1.0	-0.9
Currency translation	157.0	902.2
Net gains/losses arising from equity method investments	-15.5	3.1
Total	139.4	902.9
Other comprehensive income	272.4	808.5
Total comprehensive income	1,558.5	2,050.7
Thereof non-controlling interests	143.9	228.1
Thereof Group share	1,414.6	1,822.6

Consolidated statement of cash flows

€m	Notes	2018	2019
Net income from continuing operations		1,300.3	1,274.6
Income taxes		464.1	358.4
Interest income/expenses		271.7	264.9
Dividends received	15	249.8	216.9
Interest received	16	107.3	132.6
Interest paid	16	-507.9	-485.2
Income taxes paid	17	-260.8	-294.1
Depreciation, amortisation, and impairment		1,129.8	1,468.1
Other eliminations	18	-354.9	-33.1
Cash flow		2,399.5	2,903.1
Changes in operating assets	19	-332.4	121.7
Changes in operating liabilities	19	225.8	-45.2
Changes in working capital		-106.5	76.5
Decrease in provisions through cash payments		-323.7	-315.3
Cash flow from operating activities – continuing operations		1,969.2	2,664.3
Cash flow from operating activities – discontinued operations		-0.9	-0.8
Cash flow from operating activities		1,968.3	2,663.6
Intangible assets		-24.2	-47.8
Property, plant and equipment		-1,036.6	-1,135.0
Subsidiaries and other business units		-623.9	-92.2
Other financial assets, associates, and joint ventures		-38.7	-41.4
Investments (cash outflow)	20	-1,723.3	-1,316.5
Subsidiaries and other business units		280.4	165.2
Other fixed assets		282.0	248.0
Divestments (cash inflow)	21	562.4	413.2
Cash from changes in consolidation scope	22	26.7	-3.5
Cash flow from investing activities – continuing operations		-1,134.2	-906.7
Cash flow from investing activities – discontinued operations			0.9
Cash flow from investing activities		-1,134.2	-905.8
Capital increase/decrease – non-controlling interests		7.6	-0.2
Dividend payments – HeidelbergCement AG		-377.0	-416.7
Dividend payments – non-controlling interests		-187.5	-169.4
Decrease in ownership interests in subsidiaries	23	5.9	209.2
Increase in ownership interests in subsidiaries	23	-25.6	-92.2
Proceeds from bond issuance and loans	24	1,693.1	860.5
Repayment of bonds, loans and lease liabilities	25	-1,520.1	-1,324.7
Changes in short-term interest-bearing liabilities	26	55.4	60.1
Cash flow from financing activities – continuing operations		-348.2	-873.4
Cash flow from financing activities – discontinued operations			
Cash flow from financing activities		-348.2	-873.4
Net change in cash and cash equivalents – continuing operations		486.9	884.3
Net change in cash and cash equivalents – discontinued operations		-0.9	0.1
Net change in cash and cash equivalents		486.0	884.4
Effect of exchange rate changes		-6.7	73.5
Cash and cash equivalents at 1 January		2,108.8	2,588.1
Cash and cash equivalents at 31 December	28	2,588.1	3,546.0
Reclassification of cash and cash equivalents according to IFRS 5		-2.2	-4.5
Cash and cash equivalents presented in the balance sheet at 31 December	28	2,585.9	3,541.5

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Consolidated balance sheet

Assets			
€m	Notes	31 Dec. 2018	31 Dec. 2019
Non-current assets			
Intangible assets	29		
Goodwill		11,450.2	11,782.6
Other intangible assets		370.3	401.4
		11,820.5	12,184.0
Property, plant and equipment	30		
Land and buildings		6,519.2	7,137.1
Plant and machinery		4,980.2	5,296.9
Other operating equipment		325.1	959.0
Prepayments and assets under construction		1,137.1	1,136.1
		12,961.6	14,529.2
Financial assets			
Investments in joint ventures	6	1,200.8	1,223.7
Investments in associates	6	512.2	537.1
Financial investments	31	252.5	213.5
Loans		97.2	122.8
Derivative financial instruments	35	44.2	31.1
		2,106.8	2,128.2
Fixed assets		26,889.0	28,841.4
Deferred taxes	11	314.4	313.3
Other non-current receivables and assets	32	1,026.6	1,044.8
Non-current income tax assets		61.9	61.9
Total non-current assets		28,291.8	30,261.4
Current assets			
Inventories	33		
Raw materials and consumables		920.4	942.0
Work in progress		336.2	346.3
Finished goods and goods for resale		767.9	861.7
Prepayments		10.3	20.0
		2,034.8	2,170.1
Receivables and other assets	34		
Current interest-bearing receivables		122.0	107.6
Trade receivables		1,808.8	1,746.1
Other current operating receivables and assets		741.3	629.3
Current income tax assets		92.2	71.6
		2,764.3	2,554.6
Current financial investments		10.0	10.0
Current derivative financial instruments	35	17.3	34.8
Cash and cash equivalents	28	2,585.9	3,541.5
Total current assets		7,412.3	8,311.0
Assets held for sale	12	79.2	16.3
Balance sheet total		35,783.3	38,588.7

HeidelbergCement I Annual Report 2019

Equity and liabilities			
€m	Notes	31 Dec. 2018	31 Dec. 2019
Shareholders' equity and non-controlling interests			
Subscribed share capital	36	595.2	595.2
Share premium	37	6,225.4	6,225.4
Retained earnings	38	10,256.6	10,988.3
Other components of equity	39	-1,647.7	-821.8
Equity attributable to shareholders		15,429.7	16,987.2
Non-controlling interests	40	1,392.0	1,517.2
Total equity		16,821.7	18,504.4
Non-current liabilities			
	43		
Bonds payable		8,805.1	7,706.5
Bank loans		631.3	705.9
Other non-current interest-bearing liabilities		51.4	1,064.7
Non-controlling interests with put options		21.1	25.0
		9,508.9	9,502.0
Pension provisions	41	1,100.6	1,141.7
Deferred taxes	11	722.8	726.3
Other non-current provisions	42	1,053.5	1,034.7
Other non-current operating liabilities		249.7	233.4
Non-current income tax liabilities		61.3	54.6
		3,187.8	3,190.6
Total non-current liabilities		12,696.7	12,692.6
Current liabilities			
	43		
Bonds payable (current portion)		1,134.6	1,930.2
Bank loans (current portion)		115.1	173.7
Other current interest-bearing liabilities		159.8	383.1
Non-controlling interests with put options		62.3	38.7
		1,471.8	2,525.7
Pension provisions (current portion)	41	97.7	96.7
Other current provisions	42	255.2	273.3
Trade payables		2,605.3	2,690.0
Other current operating liabilities		1,565.5	1,533.1
Current income tax liabilities		258.2	271.5
		4,781.9	4,864.6
Total current liabilities		6,253.7	7,390.3
Liabilities associated with assets held for sale	12	11.2	1.4
Total liabilities		18,961.6	20,084.3
Balance sheet total		35,783.3	38,588.7

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Consolidated statement of changes in equity

€m	Subscribed share capital	Share premium	Retained earnings	Cash flow hedge reserve
1 January 2018	595.2	6,225.4	9,494.8	4.6
Transfer of AtS reserve due to IFRS 9			-34.0	
Adjustment IFRS 9 and IFRS 15			-9.4	
1 January 2018 adjusted	595.2	6,225.4	9,451.3	4.6
Profit for the financial year			1,143.0	
Other comprehensive income			129.8	-1.2
Total comprehensive income			1,272.8	-1.2
Changes in consolidation scope				
Changes in ownership interests in subsidiaries			-81.3	
Changes in non-controlling interests with put options			-11.4	
Transfer of asset revaluation reserve			1.0	
Other changes			1.2	
Capital increase from issuance of new shares				
Dividends			-377.0	
31 December 2018	595.2	6,225.4	10,256.6	3.4
1 January 2019	595.2	6,225.4	10,256.6	3.4
Profit for the financial year			1,090.9	
Other comprehensive income			-95.8	-3.9
Total comprehensive income			995.1	-3.9
Changes in consolidation scope				
Changes in ownership interests in subsidiaries			150.5	
Changes in non-controlling interests with put options			1.1	
Transfer asset revaluation reserve			1.6	
Other changes			0.1	
Capital increase from contribution in kind				
Repayment of capital				
Dividends			-416.7	
31 December 2019	595.2	6,225.4	10,988.3	-0.5

1) The accumulated currency translation differences included in non-controlling interests changed in 2019 by €84.7 million (previous year: 19.1) to €-183.1 million (previous year: -267.8). The total currency translation differences recognised in equity thus amounts to €-1,029.2 million (previous year: -1,945.3).

Other components of equity				Equity attributable to shareholders	Non-controlling interests ²⁾	Total equity
Available for sale reserve	Asset revaluation reserve	Currency translation	Total other components of equity			
-34.0	27.5	-1,820.5	-1,822.5	14,493.0	1,494.3	15,987.4
34.0			34.0			
				-9.4		-9.4
	27.5	-1,820.5	-1,788.4	14,483.6	1,494.3	15,977.9
				1,143.0	143.2	1,286.2
		143.0	141.8	271.6	0.8	272.4
		143.0	141.8	1,414.6	143.9	1,558.5
					-37.6	-37.6
				-81.3	-22.9	-104.2
				-11.4	-5.9	-17.3
	-1.0		-1.0			
				1.2	-0.4	0.8
					7.6	7.6
				-377.0	-187.0	-564.0
	26.5	-1,677.5	-1,647.7	15,429.7	1,392.0	16,821.7
	26.5	-1,677.5	-1,647.7	15,429.7	1,392.0	16,821.7
				1,090.9	151.3	1,242.2
		831.4	827.5	731.7	76.8	808.5
		831.4	827.5	1,822.6	228.1	2,050.7
					0.1	0.1
				150.5	45.8	196.3
				1.1	18.6	19.7
	-1.6		-1.6			
				0.1	1.8	1.9
					0.4	0.4
					-0.2	-0.2
				-416.7	-169.4	-586.0
	24.8	-846.1	-821.8	16,987.2	1,517.2	18,504.4

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Segment reporting/Notes to the consolidated financial statements

Group areas	Western and Southern Europe		Northern and Eastern Europe-Central Asia		North America	
€m	2018 ¹⁾	2019	2018 ¹⁾	2019	2018 ¹⁾	2019
External revenue	4,862	5,063	2,836	2,843	4,262	4,778
Inter-Group areas revenue	74	49	80	45		
Revenue	4,936	5,112	2,916	2,888	4,262	4,778
Change to previous year in %		3.6 %		-1.0 %		12.1 %
Result from equity accounted investments (REI)	24	26	23	42	43	49
Result from current operations before depreciation and amortisation (RCOBD)	610	779	576	677	978	1,042
as % of revenue (operating margin)	12.4 %	15.2 %	19.8 %	23.5 %	22.9 %	21.8 %
Depreciation and amortisation	-330	-417	-159	-204	-294	-378
Result from current operations	280	363	417	474	684	664
as % of revenue	5.7 %	7.1 %	14.3 %	16.4 %	16.1 %	13.9 %
Additional ordinary result						
Earnings before interest and taxes (EBIT)						
Capital expenditures ²⁾	389	440	134	154	267	338
Segment assets ³⁾	7,591	8,238	2,499	2,789	9,042	9,541
RCOBD as % of segment assets	8.0 %	9.5 %	23.1 %	24.3 %	10.8 %	10.9 %
Number of employees as at 31 December	15,903	15,608	12,515	11,251	8,750	9,047
Average number of employees	15,944	15,791	12,623	11,785	9,318	9,548

Voluntary additional information

Business lines	Cement		Aggregates		Ready-mixed concrete-asphalt	
€m	2018	2019	2018	2019	2018	2019
External revenue	7,800	8,056	2,886	3,097	5,093	5,491
Inter-business lines revenue	1,000	1,062	962	1,013	63	57
Revenue	8,800	9,118	3,848	4,110	5,155	5,548
Change to previous year in %		3.6 %		6.8 %		7.6 %
Result from equity accounted investments (REI)						
Result from current operations before depreciation and amortisation (RCOBD)	1,882	2,146	926	1,019	46	134
as % of revenue (operating margin)	21.4 %	23.5 %	24.1 %	24.8 %	0.9 %	2.4 %
Result from current operations	1,201	1,367	680	676	-60	-54
in % of revenue	13.6 %	15.0 %	17.7 %	16.4 %	-1.2 %	-1.0 %
Number of employees as at 31 December	29,335	26,481	10,425	10,203	13,661	13,283
Average number of employees	30,057	27,360	10,631	10,634	13,776	13,611

1) Amounts were adjusted (see section "Other changes", page 119 f.).

2) Reconciliation includes:

- a. intra-Group revenues = eliminations of intra-Group relationships between the segments
- b. results from current operations before depreciation and amortisation / depreciation from corporate functions
- c. additional ordinary result and earnings before interest and taxes

3) Capital expenditures = in the segment columns: cash effective investments in property, plant and equipment as well as intangible assets; in the reconciliation column: cash effective investments in non-current financial assets and other business units

4) Segment assets = property, plant and equipment as well as intangible assets

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Asia-Pacific		Africa-Eastern Mediterranean Basin		Group Services		Reconciliation ¹⁾		Continuing operations	
2018 ¹⁾	2019	2018 ¹⁾	2019	2018 ¹⁾	2019	2018 ¹⁾	2019	2018 ¹⁾	2019
3,248	3,356	1,636	1,663	1,230	1,149			18,075	18,851
14	16	31	24	524	462	-723	-595		
3,262	3,372	1,667	1,686	1,754	1,611	-723	-595	18,075	18,851
	3.4 %		1.2 %		-8.2 %				4.3 %
128	152	23	17	5	5			246	290
599	746	382	392	38	18	-83	-75	3,100	3,580
18.4 %	22.1 %	22.9 %	23.2 %	2.2 %	1.1 %			17.2 %	19.0 %
-182	-253	-99	-110	-3	-5	-24	-28	-1,090	-1,394
417	493	283	282	35	14	-107	-103	2,010	2,186
12.8 %	14.6 %	17.0 %	16.7 %	2.0 %	0.9 %			11.1 %	11.6 %
						108	-178	108	-178
						2,118	2,008	2,118	2,008
196	183	69	68	6	0	663	134	1,723	1,316
4,117	4,511	1,485	1,586	48	47			24,782	26,713
14.6 %	16.5 %	25.7 %	24.7 %	79.7 %	39.1 %			12.5 %	13.4 %
14,086	13,190	6,214	5,498	472	454			57,939	55,047
14,225	13,634	6,473	5,694	456	460			59,039	56,913

Service-joint ventures- other		Reconciliation ²⁾		Continuing operations	
2018 ¹⁾	2019	2018	2019	2018 ¹⁾	2019
2,296	2,208			18,075	18,851
597	541	-2,621	-2,673		
2,893	2,748	-2,621	-2,673	18,075	18,851
	-5.0 %				4.3 %
246	290			246	290
329	354	-82	-72	3,100	3,580
11.4 %	12.9 %			17.2 %	19.0 %
295	297	-106	-99	2,010	2,186
10.2 %	10.8 %			11.1 %	11.6 %
4,518	5,080			57,939	55,047
4,575	5,308			59,039	56,913

Notes to the 2019 consolidated financial statements

General information

HeidelbergCement AG is a public limited company based in Germany. The company has its registered office in Heidelberg, Germany. Its address is: HeidelbergCement AG, Berliner Straße 6, 69120 Heidelberg. The company is registered at the Mannheim Local Court (HRB 330082).

The core activities of HeidelbergCement include the production and distribution of cement, aggregates, ready-mixed concrete, and asphalt. Further details are given in the Management Report.

Accounting and valuation principles

Accounting principles

The consolidated financial statements of HeidelbergCement AG were prepared in accordance with the International Financial Reporting Standards (IFRS) as adopted by the European Union and the additional requirements of German Commercial Law pursuant to section 315e(1) of the German Commercial Code (Handelsgesetzbuch – HGB). All binding IFRSs for the 2019 financial year adopted into European law by the European Commission, including the interpretations of the IFRS Interpretations Committee (IFRS IC), were applied.

The previous year's figures were determined according to the same principles. The consolidated financial statements are prepared in euro. The financial statements show a true and fair view of the financial position and performance of the HeidelbergCement Group.

In accordance with IAS 1 (Presentation of Financial Statements), the consolidated financial statements contain a balance sheet as at the reporting date, an income statement, a statement of comprehensive income, a statement of changes in equity, and a statement of cash flows in accordance with the principles of IAS 7 (Statement of Cash Flows). The segment reporting is prepared in accordance with the regulations of IFRS 8 (Operating Segments).

For reasons of clarity, some individual items have been combined in the income statement and in the balance sheet. Explanations of these items are contained in the Notes. To improve the level of information, the additional ordinary result is shown separately in the income statement. The income statement classifies expenses according to their nature.

Scope of consolidation

In addition to HeidelbergCement AG, the consolidated financial statements include subsidiaries, joint arrangements, and associates.

Subsidiaries are characterised by the fact that HeidelbergCement can exercise control over these companies. Control exists when HeidelbergCement has decision-making powers, is exposed to variable returns, and is able to influence the level of the variable returns as a result of the decision-making powers. Normally, this is the case when more than 50 % of the shares are owned. If contractual or legal regulations stipulate that a company can be controlled despite a shareholding of less than 50 %, this company is included in the consolidated financial statements as a subsidiary. If a company cannot be controlled with a shareholding of more than 50 % as a result of contractual or legal regulations, this company is not included in the consolidated financial statements as a subsidiary.

In joint arrangements, HeidelbergCement exercises joint control over a company with one or more parties through contractual agreements. Joint control exists if decisions about the relevant activities of the company must be made unanimously. Depending on the rights and obligations of the parties, joint arrangements may be joint operations or joint ventures. In joint operations, however, the controlling parties have direct rights to the assets and obligations for the liabilities of the jointly controlled operation. Joint ventures are characterised by the fact that the parties that have joint control participate in the net assets of the company by virtue of their position as shareholders.

In associates, HeidelbergCement has a significant influence on the operating and financial policies of the company. This is normally the case if HeidelbergCement holds between 20 % and 50 % of the voting rights in a company.

Section L

Lehigh Hanson
HEIDELBERGCEMENT Group

Lehigh Hanson
300 E. John Carpenter Freeway
Irving, TX 75062

972-653-5500
www.LehighHanson.com

CREDIT INFORMATION

Company Name: Lehigh Hanson, Inc. (including U.S. subsidiaries and affiliates)

Parent Company: HeidelbergCement AG

Tax ID Number: 59-2503701

Business: Cement, Aggregates

President: Jon Morrish

CFO: Henner Böttcher

Corporate Address: 300 E. John Carpenter Freeway, Irving TX 75062

References:

F.L. Smidth
2040 Avenue C
Bethlehem, PA 18017-2188
Email: Rachel.Schnecker@flsmidth.com

Brandeis Equipment
Attn: Gwen Meyer
1801 Watterson Trail P.O. Box 32230
Louisville, KY 40232-2230
Office: (502) 493-4300
Fax: (502) 499-3190

BASF Corporation
Attn: Constantine Marinis
(Senior Credit Analyst, CCE, CICP)
23700 Chagrin Blvd.
Beachwood, Ohio 44122
Phone: +1 216 839 7091
Mobile: +1 862-308-3669
Fax: +1 216-839-8817
E-Mail: constantine.marinis@basf.com

GCP Applied Technologies Inc.
Attn: Accounts Receivable Dept.
62 Whittemore Avenue
Cambridge, MA 02140
Phone: 877.423.6491
Fax: 617-498-4323 or 617-812-1270
Email: GPC-CustCredit.Administration@gcpat.com
Website: GCPat.com

Bank Name: Bank of America
Bank Account: 4426638159

For bank credit information inquiries, please sign up for an account via www.bankVOD.com and choose either same-day service for \$25.00 (request must be received prior to 3 p.m. EST) or 3-day service for \$10.00. Information provided includes open date, type of account, and average collected balance. Mail and/or fax requests are no longer accepted.

Section M

Fidelity and Deposit Company of Maryland Bond No. 08800188 replaces and supercedes General Insurance Company of America Bond No. 6291711/VM6040556 effective June 20, 2011.

INDEMNITY AND PAYMENT BOND

BOND NO. 08800188

KNOW ALL BY THESE PRESENTS:

That WE, Continental Florida Materials, Inc. as INDEMNITOR and Fidelity and Deposit Company of Maryland as SURETY, a surety company authorized to do business in the State of Florida, are held and firmly bound unto BROWARD COUNTY, as OBLIGEE, a political subdivision of the State of Florida, in the full sum of Fifty Thousand and no/100— DOLLARS (\$50,000.00—), for the payment of which we bind ourselves, our heirs, successors, assigns and personal representatives for the performance of the obligations hereinafter set forth:

NOW THEREFORE, the condition of this obligation is such that if INDEMNITOR, its heirs, executors, administrators, successors and assigns shall well and truly save harmless and keep indemnified BROWARD COUNTY, its successors and assigns, from and against all loss, costs, expenses, damages, injury, claims, actions, liabilities and demands of every kind (including but not limited to all reasonable attorney's fees to and through appellate, supplemental and bankruptcy proceedings) which arises from, is caused by, or results from or on account of:

- (i) failure of INDEMNITOR to pay to BROWARD COUNTY, when due, any and all tariff or other charges that have accrued at Port Everglades (whether relating to the furnishing of services or materials to INDEMNITOR, its principals, agents, servants or employees at Port Everglades; or, due to injury to property of Port Everglades; or, stemming from the use of Port Everglades facilities by INDEMNITOR, its principals, agents, servants or employees; or, otherwise); or
- (ii) non-compliance by INDEMNITOR, its principals, agents, servants or employees with applicable laws, ordinances, rules and regulations of the federal, state and local governmental units or agencies (including but not limited to the terms and provisions of the BROWARD COUNTY Code of Ordinances, Administrative Code, and all procedures and policies of the Port Everglades Department), as amended from time to time; or
- (iii) any act, omission, negligence or misconduct of INDEMNITOR, its principals, agents, servants or employees in Port Everglades (whether causing injury to persons or otherwise;

then these obligations shall be null and void, otherwise to remain in full force and effect.

AS A FURTHER CONDITION of this obligation that it shall remain in full force and effect until and unless the Surety provides at least ninety (90) days prior written notice to BROWARD COUNTY of its intention to terminate this Bond.

Any notices required herein shall be given in writing and be delivered to: Broward County's Port Everglades Department, Attn: Director of Administration, 1850 Eller Drive, Fort Lauderdale, Florida 33316, with a copy to: Broward County Administrator, Governmental Center, 115 S. Andrews Avenue, Fort Lauderdale, Florida 33301.

IN WITNESS WHEREOF, INDEMNITOR has caused this Bond to be executed by _____, and attested to by its Secretary and its corporate seal to be affixed, and the Surety has caused this Bond to be executed in its name by its Attorney-in-Fact duly authorized to do so.

INDEMNITOR:

Company Name: Continental Florida Materials, Inc.

ATTEST:

Corporate Secretary

By: _____

(Print Name of Secretary)

(Print Name of Pres./Vice Pres.)

(SEAL)

Title: _____
(Print)

_____ day of _____, 20____

SURETY:

Company Name: _____

ATTEST:

Claudia Nuñez
Claudia Nuñez, Witness

(SEAL)

By: Bridgette S. Jackson

Bridgette S. Jackson
(Print Name of Pres./Vice Pres.)

Title: Attorney-In-Fact
(Print)

_____ 20th day of June _____, 20 11

ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by THOMAS O. MCCLELLAN, Vice President, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint Phil NEIGHORN, Bridgette S. JACKSON and Claudin NUNEZ, all of Dallas, Texas, EACH its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings, EXCEPT bonds on behalf of Independent Executors, Community Survivors and Community Guardians, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 14th day of May, A.D. 2012.

ATTEST:

ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND



By: Eric D. Barnes
Assistant Secretary
Eric D. Barnes

Thomas O. McClellan
Vice President
Thomas O. McClellan

State of Maryland
City of Baltimore

On this 14th day of May, A.D. 2012, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, THOMAS O. MCCLELLAN, Vice President, and ERIC D. BARNES, Assistant Secretary, of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Constance A. Dunn

Constance A. Dunn, Notary Public
My Commission Expires: July 14, 2015



EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8. Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8. of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 20th day of June, 2011.



Geoffrey Delisio

Geoffrey Delisio, Vice President

Section N

Equipment Information

Equipment	Manufacturer	Model	Age yrs)	Power	Location
Ship unloader	Siwertell		35	Electric	Port Everglades
Hor/Vert screw conveyors	Nordstroms		35	Electric	Port Everglades
Front-End loader	Volvo	L-70	17	Diesel	Port Everglades
Front-End loader	Volvo	L-90	15	Diesel	Port Everglades
Forklift	Toyota	4000	5	Diesel	Port Everglades
Manlift	JLG	SOOS	12	Diesel	Port Everglades
Skid Steer	John Deere	312	13	Diesel	Port Everglades
Sweeper	Tennant	800	16	Diesel	Port Everglades
Beltline dust collector 1	MES	12000 CFM	2	Diesel	Port Everglades
Beltline dust collector 2	MES	12000 CFM	1	Diesel	Port Everglades
Emergency generator	Cummings	300 KW	22	Diesel	Port Everglades
Portable compressor	Sullair	900 CFM	6	Diesel	Port Everglades
Paint compressed air system	Sullivan	SP-16	2	Electric	Port Everglades
Silos transfer system	Fuller/FLS	250M / <u>C225</u>	15	Electric	Port Everglades

Section O

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020

DBA:
Business Name: CONTINENTAL FLORIDA MATERIALS INC

Receipt #: 378-4569
Business Type: WHOLESALE/DISTRIBUTOR
(WHOLESALE/DISTRIBUTOR)

Owner Name: CONTINENTAL FLORIDA MATERIALS INC
Business Location: 2600 EISENHOWER BLVD
FT LAUDERDALE
Business Phone: 954-523-6416

Business Opened: 09/22/1999
State/County/Cert/Reg:
Exemption Code:

Rooms Seats Employees Machines Professionals

For Vending Business Only						
Number of Machines:				Vending Type:		
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
45.00	0.00	0.00	0.00	0.00	0.00	45.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT

WHEN VALIDATED

This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

Mailing Address:

CONTINENTAL FLORIDA MATERIALS INC
PO BOX 13128
FORT LAUDERDALE, FL 33316

Receipt # WWW-18-00182799
Paid 07/29/2019 45.00

2019 - 2020

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000

VALID OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020

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(WHOLESALE/DISTRIBUTOR)

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Business Location: 2600 EISENHOWER BLVD
FT LAUDERDALE
Business Phone: 954-523-6416

Business Opened: 09/22/1999
State/County/Cert/Reg:
Exemption Code:

Rooms Seats Employees Machines Professionals

Signature	For Vending Business Only					
	Number of Machines:			Vending Type:		
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
45.00	0.00	0.00	0.00	0.00	0.00	45.00

Receipt # WWW-18-00182799
Paid 07/29/2019 45.00



(continued)

From: [Bhatnagar, Lalit \(Irving\) USA](#)
To: [Osorno-Belleme, Angela](#)
Subject: RE: Lehigh Hanson Cement South LLC - Cargo Handler and Stevedore Franchise
Date: Friday, October 2, 2020 3:34:22 PM
Attachments: [image002.png](#)

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Enclosed please find payment confirmation for this tax receipt.

From: no-reply@payment-express.net [<mailto:no-reply@payment-express.net>]
Sent: Monday, September 28, 2020 10:02 AM
To: Gonzalez, Carlos (Fort Lauderdale) USA <Carlos.Gonzalez@lehighhanson.com>
Subject: Broward County Tax Collector: Payment Confirmation

Thank you for your payment.

Tax Collector

Broward County Records, Taxes & Treasury Div.
115 S. Andrews Ave. Fort Lauderdale, FL 33301

Confirmation # 51543964643

Items Paid

Transaction Details	
Payment Date:	9/28/2020 10:02 AM EDT
Transaction #:	13522444
Recipient:	Broward County Tax Collector
Location:	Internet
Received Via:	Online

Authorization Details	
Terminal Number:	002
Auth Code:	046643
Data Source:	Manual Entry

Paid By
Carlos Gonzalez
carlos.gonzalez@lehighhanson.com

Items		
Item	Description	Amount
Business Tax	Acc# 26431 Rct# 378-4569 Yr: 2021	\$ 45.00
Payments		
Payment	Account	Paid
Credit Card	MasterCard ***5494	\$ 45.00
Convenience Fee:		\$ 1.95
Total Charged:		\$ 46.95

From: Osorno-Belleme, Angela <AOSORNOBELLEME@broward.org>
Sent: Friday, October 2, 2020 2:31 PM
To: Bhatnagar, Lalit (Irving) USA <Lalit.Bhatnagar@lehighhanson.com>
Subject: RE: Lehigh Hanson Cement South LLC - Cargo Handler and Stevedore Franchise

Lalit,

The document attached is a renewal notice, not the actual tax receipt that we require. Please provide the receipt by return email.

Thanks,



Angela Osorno Belleme, PMP
Franchise & Business Permit Manager
Broward County Port Everglades Department
1850 Eller Drive, Suite 603
Fort Lauderdale, FL 33316
Ph (954) 468-0112 Fx (954) 468-525-1910
aosornobelleme@broward.org
www.broward.org

From: Bhatnagar, Lalit (Irving) USA <Lalit.Bhatnagar@lehighhanson.com>
Sent: Friday, October 2, 2020 3:10 PM
To: Osorno-Belleme, Angela <AOSORNOBELLEME@broward.org>; Stewart, Paul P (Fort Lauderdale) USA <Paul.Stewart@lehighhanson.com>
Subject: RE: Lehigh Hanson Cement South LLC - Cargo Handler and Stevedore Franchise

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Angela – Enclosed please find the Broward County Tax Receipt as requested. Please call or email for any further assistance.

Regards
Lalit

From: Osorno-Belleme, Angela <AOSORNOBELLEME@broward.org>

Sent: Thursday, October 1, 2020 1:57 PM

To: Stewart, Paul P (Fort Lauderdale) USA <Paul.Stewart@lehighhanson.com>

Cc: Bhatnagar, Lalit (Irving) USA <Lalit.Bhatnagar@lehighhanson.com>

Subject: RE: Lehigh Hanson Cement South LLC - Cargo Handler and Stevedore Franchise

Paul,

I am missing the Broward County Tax Receipt, Section O of the application. The one in the file expired September 30, 2020.

Thanks,



Angela Osorno Belleme, PMP

Franchise & Business Permit Manager

Broward County Port Everglades Department

1850 Eller Drive, Suite 603

Fort Lauderdale, FL 33316

Ph (954) 468-0112 Fx (954) 468-525-1910

aosornobelleme@broward.org

www.broward.org

From: Stewart, Paul P (Fort Lauderdale) USA <Paul.Stewart@lehighhanson.com>

Sent: Tuesday, September 29, 2020 9:08 AM

To: Osorno-Belleme, Angela <AOSORNOBELLEME@broward.org>

Cc: Bhatnagar, Lalit (Irving) USA <Lalit.Bhatnagar@lehighhanson.com>

Subject: RE: Lehigh Hanson Cement South LLC - Cargo Handler and Stevedore Franchise

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Email 2

From: Stewart, Paul P (Fort Lauderdale) USA

Sent: Tuesday, September 29, 2020 9:03 AM

To: 'Osorno-Belleme, Angela' <AOSORNOBELLEME@broward.org>

Cc: Bhatnagar, Lalit (Irving) USA <Lalit.Bhatnagar@lehighhanson.com>

Subject: RE: Lehigh Hanson Cement South LLC - Cargo Handler and Stevedore Franchise

Angela,
The file was too big to go through so resending in sections.
Should be 3 emails coming.
Paul.

From: Stewart, Paul P (Fort Lauderdale) USA <Paul.Stewart@lehighhanson.com>
Sent: Tuesday, September 29, 2020 8:47 AM
To: 'Osorno-Belleme, Angela' <AOSORNOBELLEME@broward.org>
Cc: Stewart, Paul P (Fort Lauderdale) USA <Paul.Stewart@lehighhanson.com>; Bhatnagar, Lalit (Irving) USA <Lalit.Bhatnagar@lehighhanson.com>
Subject: RE: Lehigh Hanson Cement South LLC - Cargo Handler and Stevedore Franchise

Good Morning Angela,

In anticipation of having the Lehigh Franchise renewals proceeding I am re-sending the most recent and still applicable information.
Attached is the recent application from June this year along with the cover letter requesting the 10 yr renewal.
Also attached are updated sections A & J from prior communications.

I will send next the Cargo Handler application that accompanies this info as well.

If there is anything missing please let me know.

Regards,
Paul.

From: Gonzalez, Carlos (Fort Lauderdale) USA <Carlos.Gonzalez@lehighhanson.com>
Sent: Monday, September 28, 2020 10:54 AM
To: Stewart, Paul P (Fort Lauderdale) USA <Paul.Stewart@lehighhanson.com>
Subject: FW: Lehigh Hanson Cement South LLC - Cargo Handler and Stevedore Franchise

From: Osorno-Belleme, Angela [<mailto:AOSORNOBELLEME@broward.org>]
Sent: Monday, September 28, 2020 10:43 AM
To: Gonzalez, Carlos (Fort Lauderdale) USA <Carlos.Gonzalez@lehighhanson.com>
Cc: Willover, Dennis (Fort Lauderdale) USA <Dennis.Willover@lehighhanson.com>
Subject: Lehigh Hanson Cement South LLC - Cargo Handler and Stevedore Franchise

Good morning, Carlos.

In preparation for the renewal of your franchises at Port Everglades, attached is the franchise

application we have in our records. Please review and submit any updates to the information at your earliest convenience so we can present the item to the Board.

Sincerely,



Angela Osorno Belleme, PMP

Franchise & Business Permit Manager

Broward County Port Everglades Department

1850 Eller Drive, Suite 603

Fort Lauderdale, FL 33316

Ph (954) 468-0112 Fx (954) 468-525-1910

aosornobelleme@broward.org

www.broward.org

Under Florida law, most e-mail messages to or from Broward County employees or officials are public records, available to any person upon request, absent an exemption. Therefore, any e-mail message to or from the County, inclusive of e-mail addresses contained therein, may be subject to public disclosure.



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Section P



Fire Safety Policy OSHA Operations

Effective Date	<u>March 1, 2011</u>	
Revision Date	<u></u>	
Approval	<u></u>	Date <u>02/18/11</u>
Approval	<u></u>	Date <u>02/18/11</u>

FIRE SAFETY (OSHA Operations)

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1. Purpose – To establish requirements for the use and maintenance of fire fighting equipment.

1.2. Definitions

- A. Combustible material – A material that, in the form in which it is used and under the conditions anticipated, will ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat. Wood, paper, rubber and plastics are examples of combustible materials.
- B. Flammable gas – A gas that will burn in the normal concentrations of oxygen in the air.
- C. Flammable liquid – A liquid that has a flash point below 100 °F (37.8 °C), a vapor pressure not exceeding 40 pounds per square inch (absolute) at 100 °F (37.8 °C).
- D. Flash point – The minimum temperature at which sufficient vapor is released by a liquid to form a flammable vapor-air mixture near the surface of the liquid.
- E. Multipurpose dry-chemical fire extinguisher – An appropriate extinguisher containing a dry-chemical agent.
- F. Safety can – A container of not more than five gallons capacity that is designed to safely relieve internal pressure when exposed to heat and has a spring-closing lid and spout cover.
- G. Storage tank – A container exceeding 60 gallons in capacity used for the storage of flammable or combustible liquids.

1.3. Requirements

- A. All employees shall be responsible for following established fire prevention and fire extinguisher guidelines.
- B. All employees shall be responsible for following established oxyacetylene cutting and electric arc welding guidelines.
- C. All employees shall be responsible for following established housekeeping and chemical handling guidelines.

1.4. Fire Prevention Policy and Procedures

A. Fire Prevention

- It is the responsibility of all employees to prevent any type of fire on the premises. Listed below are general guidelines to take into consideration to accomplish this objective:
 - Extinguish all cigarettes in their proper place.

FIRE SAFETY (OSHA Operations)

- Do not put any type of hot object in trashcans; i.e., cigarette butts, etc.
- Make sure all hand held torches are extinguished when not in use.
- Have a fire extinguisher(s) in close proximity to all areas in which welding and cutting operations are done.
- Do not have open flame around flammable substances.
- Heat detection devices and/or smoke detection devices should be installed in Motor Control Centers.

B. Fire Extinguishers

- All fire extinguishers shall be maintained in the following manner:
 - Designated personnel will conduct monthly inspections of all fire extinguishers. Any questions or problems should be directed to their supervisor for immediate action.
 - An outside extinguisher firm or other competent person will conduct annual checks on all fire extinguishers.
 - Monthly inspections should be noted and initialed by the inspector on a rigid/weatherproof tag attached to each extinguisher and/or on a log located in the plant office.
- Fire extinguishers shall be recharged or replaced with a fully charged extinguisher immediately after the fire in question has been extinguished.
- An appropriate 5-lb or greater multipurpose, dry-chemical fire extinguisher shall be mounted on all self-propelled equipment. The extinguisher shall be mounted by means of a bracket, except where an automatic fire suppression system is installed.

C. Oxyacetylene Cutting and Electric Arc Welding

- An appropriate 5-lb or greater, multipurpose, dry-chemical fire extinguisher shall be located in all work areas where welding, cutting or other operations using an electric arc or open flame are being performed.
- All oxygen and/or acetylene cylinder valve seats, regulators, hose connectors and torches shall be kept free of grease or oil.
- All cylinders, regulators and hoses shall be protected from sparks and molten metal.
- All flammable materials such as plastic lighters shall be removed from clothing pockets before using an oxyacetylene torch.

FIRE SAFETY (OSHA Operations)

- When lighting oxyacetylene torches, only an approved striker shall be used.
- All hoses and torches shall be purged and valves closed after use.
- All stored oxygen and acetylene cylinders shall be upright and secured, with regulators removed and protective caps in place. Regulators may remain on compressed gas cylinders if a "hinged style" protective cap is used.
- Welding, cutting or applying heat with an open flame to pipelines and/or containers that have or may have contained flammable/combustible liquids, flammable gases or explosive solids shall be prohibited, unless the pipeline or container has been drained, thoroughly cleaned of residue and ventilated, or shall be drained, thoroughly cleaned of residue and filled with an inert gas or water.

D. Housekeeping

- Waste materials such as paper or oily rags shall not be allowed to accumulate and shall be disposed of promptly and by approved methods.
- Combustible materials shall not be stored nor allowed to accumulate within 25 feet of electric substations, flammable and/or combustible liquid storage tanks, flammable and/or combustible drum storage areas and fueling areas.
- Non-approved liquids shall not be used for the cleaning of parts.
- Solvents shall not be used in such a manner as to cause them to ignite due to being exposed to excessive heat and/or open flame.
- Combustible and flammable liquids shall not be allowed to accumulate on the floor or maintenance areas through spillage or routine maintenance procedures. Any spilled combustible or flammable liquid shall be promptly cleaned-up by means of absorbent materials, which shall be promptly and properly disposed of.
- All flammable liquids, which must be stored in small quantities, shall be stored in properly labeled safety cans and in areas that are not within 25 feet of sources producing electric arcs, open flames or excessive heat.
- Areas used for the charging of batteries shall be well ventilated to prevent the accumulation of hydrogen gas and posted with NO SMOKING OR OPEN FLAMES signage.
- No person shall smoke or use an open flame where flammable or combustible materials are used, transported in a manner that could create a fire hazard, stored or handled.
- Signs prohibiting smoking and the use of open flames shall be posted where fire or explosive hazards exist.

FIRE SAFETY (OSHA Operations)

E. Chemicals

- Prior to handling or using a chemical, employees shall check the NFPA chemical hazard label on the chemical container to identify the hazards associated with the handling and use of the chemical. Refer to NFPA Chemical Hazard Label (included in this section).
- Prior to handling or using a chemical, employees shall refer to the MSDS for that chemical to identify fire hazards associated with the handling and use of that chemical. Refer to Hazard Communication section of this manual

1.5. Training – Fire prevention, evacuation and rescue procedures, proper fire fighting techniques, and the proper use of fire extinguishers will be addressed as an annual safety training topic.

1.6. Posting – Areas where a fire or explosion hazard exists shall be posted with signs which prohibit smoking and the use of open flames.

1.7. Monitoring and Enforcement – Safety personnel and/or supervisors will monitor and enforce this policy. Employees who refuse to adhere to the requirements of this policy shall be subject to disciplinary action.

2. EVACUATION AND RESCUE PLAN

2.1. See Emergency Action Plan section of this manual.

3. STATUTORY REFERENCES

- 3.1.** 29 CFR § 1910 Subpart L – Fire Protection.
- 3.2.** 29 CFR § 1910 Subpart E – Means of Egress.
- 3.3.** 30 CFR § 56.4100 – Smoking and use of open flames.
- 3.4.** 30 CFR § 56.4101 – Warning signs.
- 3.5.** 30 CFR § 56.4102 – Spillage and leakage.
- 3.6.** 30 CFR § 56.4103 – Fueling internal combustion engines.
- 3.7.** 30 CFR § 56.4104 – Combustible waste.
- 3.8.** 30 CFR § 56.4130 – Surface electric substations and liquid storage facilities.
- 3.9.** 30 CFR § 56.4200.a and b – Firefighting equipment.
- 3.10.** 30 CFR § 56.4201 – Inspection of fire extinguishers.
- 3.11.** 30 CFR § 56.4203 – Extinguisher recharging or replacement.

FIRE SAFETY (OSHA Operations)

- 3.12.** 30 CFR § 56.4230 – Surface self-propelled equipment.
- 3.13.** 30 CFR § 56.4330.a – Surface firefighting, evacuation and rescue procedures.
- 3.14.** 30 CFR § 56.4400 – Use restrictions for flammable and combustible liquids and gases.
- 3.15.** 30 CFR § 56.4402 – Safety can use.
- 3.16.** 30 CFR § 56.4500 – Heat sources.
- 3.17.** 30 CFR § 56.4501 – Fuel lines.
- 3.18.** 30 CFR § 56.4502 – Battery charging stations.
- 3.19.** 30 CFR § 56.4505 – Fuel lines to underground areas.
- 3.20.** 30 CFR § 56.4530 – Exits for surface buildings and structures.
- 3.21.** 30 CFR § 56.4531 – Surface flammable and combustible liquid storage buildings and rooms.
- 3.22.** 30 CFR § 56.4600 – Extinguishing equipment for welding, cutting and compressed gas areas.
- 3.23.** 30 CFR § 56.4601 – Oxygen cylinder storage.
- 3.24.** 30 CFR § 56.4602 – Gages and regulators.
- 3.25.** 30 CFR § 56.4603 – Closure of valves.
- 3.26.** 30 CFR § 56.4604 – Preparation of pipelines and containers.

FIRE SAFETY (OSHA Operations)

NFPA Chemical Hazard Label



Rating Summary		
Health (Blue)		
4	Danger	May be fatal on short exposure. Specialized protective equipment required
3	Warning	Corrosive or toxic. Avoid skin contact or inhalation
2	Warning	May be harmful if inhaled or absorbed
1	Caution	May be irritating
0		No unusual hazard
Flammability (Red)		
4	Danger	Flammable gas or extremely flammable liquid
3	Warning	Flammable liquid flash point below 100° F
2	Caution	Combustible liquid flash point of 100° to 200° F
1		Combustible if heated
0		Not combustible
Reactivity (Yellow)		
4	Danger	Explosive material at room temperature
3	Danger	May be explosive if shocked, heated under confinement or mixed with water
2	Warning	Unstable or may react violently if mixed with water
1	Caution	May react if heated or mixed with water but not violently
0	Stable	Not reactive when mixed with water
Special Notice Key (White)		
W		Water Reactive
Oxy		Oxidizing Agent

Special Precaution Symbols





Personal Protective Equipment Policy OSHA Operations

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PERSONAL PROTECTIVE EQUIPMENT (OSHA Operations)

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1. Purpose – To establish requirements for the use of personal protective equipment (PPE).

1.2. Requirements

- A. Management is required to provide as safe a work place as possible.
 - Each plant manager or his designee shall:
 - Analyze the various jobs being performed at his/her respective location.
 - Determine the types of hazards related to each of the various jobs being performed at his/her respective location.
 - Select and/or purchase proper personal protective equipment such as safety hard hats, safety glasses, life jackets, etc., which are necessary to provide adequate protection against the hazards identified for each of the various jobs being performed at his/her respective location.
 - Ensure that all required personal protective equipment is available, appropriate and well maintained.
 - All supervisors are charged with the responsibility of enforcing all applicable federal, state and company regulations and rules regarding the wearing and use of personal protective equipment.
- B. All employees are required to wear personal protective equipment such as, but not limited to, safety hard hats, safety glasses and protective footwear.
 - When using company-owned safety equipment, the employee is charged with the responsibility of proper care, maintenance, and use of the equipment. Each employee is charged with the responsibility of notifying his/her foreman when and if new equipment needs to be purchased and/or existing equipment needs to be maintained.

1.3. Training

- A. Employees will be instructed in the proper use of personal protective equipment. This instruction shall include:
 - When PPE is necessary.
 - What PPE is necessary.
 - How to properly don, doff, adjust and wear PPE.
 - The limitations of the PPE.
 - The proper care, maintenance, useful life and disposal of the PPE.
- B. This training shall include a process by which each employee shall demonstrate an understanding of the training provided and demonstrate the ability to use PPE properly, before an employee shall be allowed to perform work requiring the use of PPE.
 - In cases where management does not believe that an employee has adequate understanding and ability, the employee shall receive additional training.

PERSONAL PROTECTIVE EQUIPMENT (OSHA Operations)

C. PPE and the topics listed above will be a periodic safety-training topic.

1.4. Monitoring and Enforcement – The plant manager, his designee, and other LEHIGH HANSON employees, when present, shall be responsible for implementation and enforcement of this policy. Failure to use proper personal protective equipment can result in an employee receiving a safety violation notice, loss of safety incentive and/or disciplinary action up to and including termination of employment.

1.5. Assessment

A. General guidelines shall be followed when assessing foot, head, eye and face, and hand hazards that exist in the workplace and when matching PPE to the particular hazards found. It shall be the responsibility of the plant manager, with the assistance of the Safety Department, to select the appropriate personal protection equipment PPE based on the particular hazards found during the assessment of a site.

B. The plant manager or his designee shall verify that the required workplace hazard assessment has been performed through a written certification that identifies:

- The workplace evaluated.
- The name of the person certifying that the evaluation has been performed.
- The date(s) of the hazard assessment.
- The document as a certification of hazard assessment.
- Refer to the "Workplace Hazard Assessment Certification Form" included in this section.

C. The following procedure should be followed in assessing workplace hazards:

- Conduct a walk-through survey of all work areas, giving consideration to the following basic hazard categories:
 - Impact.
 - Penetration.
 - Compression (rollover).
 - Chemical.
 - Heat.
 - Harmful dust or inhalants.
 - Light (optical) radiation.
 - Noise levels
 - Fall hazards
- During the walk-through survey, the following observations should be made:
 - Sources of motion such as machinery or processes, where any movement of tools, elements or particles could exist, or movement of personnel could result in collision with stationary objects.
 - Sources of high temperature that could result in burns, eye injury, ignition of protective equipment, etc.
 - Types of chemical exposures.

PERSONAL PROTECTIVE EQUIPMENT

(OSHA Operations)

- Sources of harmful dust or inhalants.
 - Sources of light radiation such as welding, brazing, cutting, high intensity lights, etc.
 - Sources of falling objects or potential for dropping objects.
 - Sources of sharp objects that might cut or pierce the feet or hands.
 - Sources of rolling or pinching objects that could crush the feet or hands.
 - Any electrical hazards.
 - Layout of the workplace and location of the employees.
- In addition to the walk-through, all injury and accident records should be reviewed to help identify possible problem areas.
- D. Upon completion of the walk-through and review of records, all information should be organized and reviewed in order to best determine all possible hazards in the work place and to best select PPE to protect against those hazards.
- E. Required personal protective equipment selection can be documented on the form entitled, "Workplace Hazard Assessment Certification Form," included in this section.
- F. In some instances as a result of the annual workplace hazard assessment, management shall elect to administer a "gate-to-gate" policy regarding the use of certain personal protective equipment such as safety hard hats, safety eyewear and protective footwear.
- G. **Selection and Use of Personal Protective Equipment (PPE) – General Guidelines**
- The following basic guidelines will be used in selecting and using PPE:
- Become familiar with the potential hazards in the workplace and the type and effectiveness of available protective equipment.
 - Be aware of the possibility of multiple and simultaneous exposure to a variety of hazards.
 - Select the PPE that ensures a level of protection greater than the minimum required to protect employees from the hazards. Adequate protection against the highest level of each of the hazards should be provided. Remember that PPE does not provide unlimited protection against hazards.
 - Compare the hazards associated with the environment with the capabilities of the PPE.
 - Fit the user with the PPE.
 - Provide instruction or training on care and use of the PPE. Employees shall be made aware of the limitations of the PPE and also how to maintain the proper fit of the PPE.

PERSONAL PROTECTIVE EQUIPMENT (OSHA Operations)

H. Head Protection – General Guidelines

- Protective hard hats shall comply with ANSI Z89.1-1986.
- Employees shall wear protective hard hats when working in areas where there is a potential for a head injury from falling objects. All hard hats shall be designed to provide this protection. Some examples include:
 - Working below other workers who are using tools and materials that could fall.
 - Working around or under equipment such as a conveyor belt that are carrying material which could fall.
 - Working on exposed energized conductors.
- Electric shock and burn hazards shall be guarded against, as well as dangers from falling objects, when selecting hard hats. Hard hats designed to reduce electrical shock hazards (those made of a material other than aluminum or other conductive material) shall be worn by each affected employee when near exposed electrical conductors that could contact the head or other electrical hazard.

I. Head Protection – Selection

- Based on the most current assessment of the site, the mandatory requirements for the selection and use of protective hard hats, etc. is specified in the section entitled "Mandatory Personal Protective Equipment Policy and Procedures" of this policy.

J. Eye and Face Protection – General Guidelines

- Employees shall use appropriate eye and face protection when exposed to hazards due to:
 - Flying particles.
 - Molten metal.
 - Liquid chemicals.
 - Acids or caustic liquids.
 - Chemical gases or vapors.
 - Potentially injurious light radiation.
- Protective eye and face equipment shall comply with ANSI Z87.1-1989.
- Face shields, if required, shall be worn only over primary eye protection such as glasses or goggles.
- Persons whose vision requires the use of prescription lenses shall wear either protective equipment fitted with prescription lenses or protective equipment designed to be worn over regular prescriptive eyewear.
- Wearers of contact lenses shall also wear appropriate eye and face protection equipment in a hazardous environment. Dusty and chemical environments may represent an additional hazard to contact lens wearers.

PERSONAL PROTECTIVE EQUIPMENT (OSHA Operations)

- The chart – “Eye and Face Protection Selection Chart,” included in this section, provides general guidance for the selection of eye and face protection to protect against hazards associated with the listed hazard “source” operations.
- The chart – “Filter Lens Shade Numbers for Protection Against Radiant Energy,” included in this section, provides general guidance for the selection of eye protection against radiant energy.

K. Eye and Face Protection – Selection

- Based on the most current assessment of the site, the mandatory requirements for the selection and use of side protection, safety lenses, filter lenses, etc. is specified in the section entitled “Mandatory Personal Protective Equipment Policy and Procedures” of this policy.

L. Foot Protection – General Guidelines

- Employees shall wear safety shoes or boots when working in areas where there is a danger of foot injury from falling or rolling objects.
- Protective safety shoes shall comply with ASTM F2413-05..
- Protective safety shoes shall provide both impact and compression protection, depending upon the work activity being done by the employee.

M. Foot Protection – Selection

- Based on the most current assessment of the site, the mandatory requirements for the selection and use of protective safety shoes, etc. is specified in the section entitled “Mandatory Personal Protective Equipment Policy and Procedures” of this policy.

N. Hand Protection – General Guidelines

- Employees shall use the appropriate hand protection whenever their hands are exposed to hazards from:
 - Skin absorption of harmful substances.
 - Severe cuts or lacerations.
 - Severe abrasions.
 - Punctures.
 - Chemical burns.
 - Thermal burns.
 - Harmful temperature extremes.
 - Vibration.
- Appropriate hand protection shall be based on an evaluation of:
 - The performance of the hand protection relative to the tasks to be performed.
 - The conditions present.

PERSONAL PROTECTIVE EQUIPMENT (OSHA Operations)

- The duration of use.
 - The actual and potential hazards identified.
- Commonly available glove materials provide only limited protection against many chemicals.

O. Hand Protection – Selection

- Based on the most current assessment of the site, the mandatory requirements for the selection and use of appropriate hand protection is specified in the section entitled "Mandatory Personal Protective Equipment Policy and Procedures" of this policy.

1.6. Mandatory Personal Protective Equipment Policy and Procedures

A. Safety Hard Hats

- All employees and visitors on LEHIGH HANSON properties beyond the main office and scales shall wear safety hard hats.
- All employees delivering to construction sites or performing work on construction sites shall wear safety hard hats.
- The company will provide LEHIGH HANSON-approved safety hard hats for all employees. All new hires will be provided with a high visibility orange hard hat during their first 90 days of employment. All other employees will be provided with a high visibility green hard hat.
- All visitors will be provided with a LEHIGH HANSON-approved high visibility orange hard safety hat for use during their plant visit.
- Protective hard hats must meet the ANSI Z89.1-2009 standard. The company standard hard hats colors are Hi Viz Orange and Hi Viz Yellow/Green for MSA or equivalent Hi Viz color for non-MSA and will be strictly enforced to ensure consistency from operation to operation. To maximize cost savings, it is strongly recommended that all hard hat purchases be made using the existing corporate contract and online safety supply vendor for all hard hat purchases as well as other safety supply purchases.
- Safety hard hats and webbing shall be inspected daily and replaced if defects that affect the integrity of the hard hat or webbing is found. Manufacturers of hard hats recommend that hard hats and webbing be replaced at certain intervals. Refer to hard hat manufacturer's recommendation of frequency of hard hat and webbing replacement.
- Safety hard hats will always be worn with the brim to the front. Welding masks will be of the type that clears the peak when raised or lowered.

PERSONAL PROTECTIVE EQUIPMENT (OSHA Operations)

- If hazards require other types of protective accessories to be used, employees will use LEHIGH HANSON-approved accessories that attach to the LEHIGH HANSON-approved safety hard hat. (See attached illustration.)

B. Safety Eyewear

- All employees and visitors on LEHIGH HANSON properties shall wear LEHIGH HANSON-approved safety glasses with side shields or other specially required eye protection at all times upon entry onto company property beyond the main office and scales.
- All employees delivering to construction sites or performing work on construction sites shall wear LEHIGH HANSON-approved safety glasses with side shields or other specially required eye protection.
- The company will provide each employee with eye protection under this policy as follows:
 - LEHIGH HANSON-approved safety glasses will be issued to the employee who needs uncorrected lens at no cost to the employee.
 - The company will reimburse an employee toward the purchase of prescription safety glasses in the amount of \$125.00. Additional reimbursement amounts are subject to the approval of the Region President. This policy shall be enforced unless collective bargaining agreements differ. In such cases, the terms of the collective bargaining agreements will prevail. The plant manager or their designee will decide if prescription safety glasses need to be replaced under this policy due to damage resulting from work activities. All regular and prescription safety glasses, goggles, etc. must meet ANSI Z87.1.1989 safety requirements. An employee must show proof of purchase to their supervisor. Prescription safety glass reimbursement for new hires will be contingent on the satisfactory completion of the probationary period.
- LEHIGH HANSON-approved safety glasses will be furnished to visitors as needed.

C. Protective Footwear

- All LEHIGH HANSON employees and others working on site shall wear appropriate footwear in all areas beyond the main office or scales.
- All employees delivering to construction sites or performing work on construction sites shall wear appropriate footwear.
 - This footwear shall meet the following requirements:
 - ✓ Must meet the ASTM F2413-05 standard.
 - ✓ Must be of leather or rubber composition.
 - ✓ Must have non-slip soles.
 - ✓ Must be of high top design with a height of five inches or more.

PERSONAL PROTECTIVE EQUIPMENT (OSHA Operations)

- The company will reimburse an employee toward the purchase of LEHIGH HANSON-approved protective footwear in the amount of \$200.00. Additional reimbursement amounts are subject to the approval of the Region President. This policy shall be enforced unless collective bargaining agreements differ. In such cases, the terms of the collective bargaining agreements will prevail. An employee must show proof of purchase to their supervisor. Reimbursement for new hires will be contingent on the satisfactory completion of the probationary period.

D. Seat Belts

- All LEHIGH HANSON employees shall inspect, maintain and use seat belts when operating and/or riding in mobile equipment equipped with seat belts by the manufacturer.
 - With respect to this policy, mobile equipment includes vehicles designed for both on-highway and off-highway use.
 - Many manufacturers of mobile equipment require that seat belts be replaced at certain intervals. Refer to equipment manufacturer's recommendation of frequency of seat belt replacement.
 - Worn or damaged seat belts, used in off-highway equipment, shall be replaced with belts meeting the requirements of SAE J386. These belts shall be meet OEM specifications.
 - Worn or damaged seat belts, used in on-highway equipment shall be replaced with belts meeting OEM specifications.

E. Wearing Apparel

- All LEHIGH HANSON employees shall wear appropriate Hi Viz clothing for each specific job task being performed.
 - Clothing that becomes saturated with oil, grease or chemicals shall be changed by the next shift.
 - Ragged or excessively loose-fitting clothing shall not be worn when working on or around moving or rotating equipment and machinery.
 - Sleeved shirts (not brief or tank top styles) shall be worn at all times.
 - Long pants (without cuffs) shall be worn at all times, unless prior authorization is obtained.
 - Shirttails shall remain "tucked-in" when working on or around moving or rotating equipment and machinery.
 - Long hair (below collar length) should be worn in a net or tied and put under a hard hat when working on or around moving or rotating equipment and machinery.
 - Neither finger rings nor loose/swinging jewelry shall be worn when working on or around moving or rotating equipment and machinery.

F. Other Personal Protective Equipment

PERSONAL PROTECTIVE EQUIPMENT (OSHA Operations)

- Other personal protective equipment to be used for various tasks due to the associated hazards include, but is not limited to:
- **Chemicals** – Aprons, rubber gloves and an appropriate cartridge respirator shall be used.
 - **Construction and highway work sites** – Use of high visibility vests as required.
 - **Cutting with oxygen/acetylene torch** – Cutting goggles with a minimum of a #5 shaded lens (safety glasses are not approved for the cutting process), fire resistant gloves, and non-flammable clothing such as 100 percent cotton shall be used.
 - **Dusty areas** – An approved respirator shall be worn in plants, tunnels or other areas where excessive dust may be a problem. Refer to the Respiratory Protection section of this manual.
 - **Electrical** – Hot sticks and rubber insulated/tested electrical gloves shall be used when working with or around electrical current. All applicable lockout/tagout procedures shall also be followed to control and /or guard against the release of energy.
 - **Grinding** – Safety goggles or safety glasses with side shields worn under a face shield shall be used.
 - **Heights** – A safety harness, lifeline and an attendant to tend the lifeline shall be used when working or entering bins, hoppers, silos, conveyor platforms, etc., where there is a potential danger of falling.
 - **Maintenance** – Wet weather gear and gloves shall be used as conditions and/or hazards warrant.
 - **Noise** – Ear plugs or earmuffs shall be used in designated areas. Refer to the Hearing Protection section of this manual.
 - **Sandblasting** – Air-supplied hood and protective clothing including gloves shall be used.
 - **Spray painting** – Proper paint respirator and eye protection shall be used.
 - **Steam/pressure cleaning** – Eye protection shall be used; rubber boots and gloves should be used when appropriate.
 - **Water hazards** – USCG-approved life jackets shall be used.
 - **Welding** – Welding hood with proper gradient lens for the type of welding being performed, leather aprons, high cuff leather gloves (gauntlets) and non-flammable clothing such as 100 percent cotton shall be used. If two or more employees are welding simultaneously, special care must be taken to prevent

PERSONAL PROTECTIVE EQUIPMENT (OSHA Operations)

weld flash energy from entering from the back side of the welding hood. If the employee is exposed to welding fumes due to the welding operation being performed in an enclosed space, and the welding fumes can not be removed from the welding area by fan or suction, the proper cartridge type respirator shall be used. When chipping is being performed, safety glasses with side shields or safety goggles must be worn unless a welding shield with a flip-up gradient lens and stationary clear lens is being used in the lowered position. (Refer to "Filter Lens Shade Numbers for Protection Against Radiant Energy," included in this section.)

- **Wet Weather/Wet Areas** – Rubber boots/over boots and rain suits should be used.

1.7. Recordkeeping

- A. The plant manager or his designee shall maintain all records including assessment, inspection and training records.
- B. Training shall be documented by means of LEHIGH HANSON "Training Documentation Forms" and/or LEHIGH HANSON "Safety Meeting Forms" and a copy shall be placed in each employee's file (see Training section of this manual). Training records shall be retained for a period of three years from the date of the training and shall include the following information:
 - Employee's name.
 - Date of training.
 - Outline describing the training material.
 - Signature of trainer documenting that training was provided.
 - Signature of employee documenting that training was received.
- C. The plant manager or his designee shall perform a workplace hazard assessment and verify the required personal protective equipment for each job within the workplace by completing, dating and signing the form entitled "Workplace Hazard Assessment Certification Form."

2. STATUTORY REFERENCES

- 2.1. 29 CFR § 1910.132 – General requirements.
- 2.2. 29 CFR § 1910.133 – Eye and face protection.
- 2.3. 29 CFR § 1910.134 – Respiratory Protection.
- 2.4. 29 CFR § 1910.135 – Head protection.
- 2.5. 29 CFR § 1910.136 – Occupational foot protection.
- 2.6. 29 CFR § 1910.137 – Electrical protective devices.
- 2.7. 29 CFR § 1910.138 – Hand Protection.

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- 2.8.** 30 CFR § 56.15002 – Hard hats.
- 2.9.** 30 CFR § 56.15003 – Protective footwear.
- 2.10.** 30 CFR § 56.15004 – Eye protection.
- 2.11.** 30 CFR § 56.15005 – Safety belts and lines.
- 2.12.** 30 CFR § 56.15006 – Protective equipment and clothing for hazards and irritants.
- 2.13.** 30 CFR § 56.15007 – Protective equipment or clothing for welding, cutting, or working with molten metal.
- 2.14.** 30 CFR § 56.15014 – Eye protection when operating grinding wheels.
- 2.15.** 30 CFR § 56.15020 – Life jackets and belts.
- 2.16.** 30 CFR § 56.5005 – Control of exposure to airborne contaminants.
- 2.17.** The Program Policy Manual – Control of exposure to airborne contaminants.
- 2.18.** 30 CFR § 56.5050 – Exposure limits for noise.
- 2.19.** The Program Policy Manual – Definition of noise standard compliance.

PERSONAL PROTECTIVE EQUIPMENT (OSHA Operations)

Eye and Face Protection Selection Chart		
Source	Assessment of Hazard	Protection
Impact: chipping grinding machining masonry work woodworking sawing drilling chiseling power fastening riveting sanding	flying fragments flying objects large chips particles sand dirt etc.	glasses with side protection goggles faceshields Notes: (1), (3), (5), (6), (10) For severe exposure use a faceshield
Heat: furnace operations pouring casting hot dipping	hot sparks Splash from molten metals	faceshields goggles glasses with side protection Notes: (1), (2), (3) For severe exposure use a faceshield. faceshields worn over goggles Notes: (1), (2), (3)
	high temperature exposure	screen faceshields reflective faceshields Notes: (1), (2), (3)
Chemicals: acid and chemical handling degreasing plating	splash	goggles (eye cup and cover types). Notes: (3), (11) For severe exposure use a faceshield.
	Irritating mist	Special purpose goggles

PERSONAL PROTECTIVE EQUIPMENT (OSHA Operations)

Eye and Face Protection Selection Chart		
Source	Assessment of Hazard	Protection
Dust: woodworking buffing general dusty conditions.	nuisance dust	goggles (eye cup with cover types) Note: (8)
Light and/or Radiation: electric arc welding	optical radiation	welding goggles or welding faceshield with appropriate shade lens Notes: (9), (12)
gas welding	optical radiation	welding goggles or welding faceshield with appropriate shade lens Note: (9)
cutting brazing soldering	optical radiation	goggles or welding faceshield with appropriate shade lens Notes: (3), (9)
glare	poor vision	spectacles with shaded or special-purpose lenses, as suitable Notes (9), (10)

Notes to Eye and Face Protection Selection Chart:

(1) Care should be taken to recognize the possibility of multiple and simultaneous exposure to a variety of hazards. Adequate protection against the highest level of each of the hazards should be provided. Protective devices do not provide unlimited protection.

(2) Operations involving heat may also involve light radiation. As required by the standard, protection from both hazards must be provided.

(3) Faceshields should only be worn over primary eye protection (spectacles or goggles).

(4) As required by the standard, filter lenses must meet the requirements for shade designations in 1910.133(a)(5). Tinted and shaded lenses are not filter lenses unless they are marked or identified as such.

(5) As required by the standard, persons whose vision requires the use of prescription (Rx) lenses must wear either protective devices fitted with prescription (Rx) lenses or protective devices designed to be worn over regular prescription (Rx) eyewear.

PERSONAL PROTECTIVE EQUIPMENT

(OSHA Operations)

(6) Wearers of contact lenses must also wear appropriate eye and face protection devices in a hazardous environment. It should be recognized that dusty and/or chemical environments may represent an additional hazard to contact lens wearers.

(7) Caution should be exercised in the use of metal frame protective devices in electrical hazard areas.

(8) Atmospheric conditions and the restricted ventilation of the protector can cause lenses to fog. Frequent cleansing may be necessary.

(9) Welding helmets or faceshields should be used only over primary eye protection (spectacles or goggles).

(10) Non-sideshield spectacles are available for frontal protection only, but are not acceptable eye protection for the sources and operations listed for "impact."

(11) Ventilation should be adequate, but well protected from splash entry. Eye and face protection should be designed and used so that it provides both adequate ventilation and protects the wearer from splash entry.


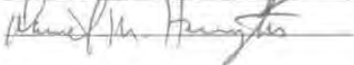
(12) Protection from light radiation is directly related to filter lens density. See note (4) . Select the darkest shade that allows task performance.

PERSONAL PROTECTIVE EQUIPMENT (OSHA Operations)

Filter Lens Shade Numbers for Protection Against Radiant Energy	
Welding/Cutting operation	Shade #
Shielded metal-arc welding 1/16, 3/32, 1/8, 5/32 inch diameter electrodes	10
Gas-shielded arc welding (nonferrous) 1/16, 3/32, 1/8, 5/32 inch diameter electrodes	11
Gas-shielded arc welding (ferrous) 1/16, 3/32, 1/8, 5/32 inch diameter electrodes	12
Shielded metal-arc welding 3/16, 7/32, 1/4 inch diameter electrodes	12
Shielded metal-arc welding 5/16, 3/8 inch diameter electrodes	14
Atomic hydrogen welding	10 - 14
Carbon-arc welding	14
Soldering	2
Torch brazing	3 - 4
Light cutting, up to 1 inch	3 - 4
Medium cutting, 1 inch to 6 inches	4 - 5
Heavy cutting, over 6 inches	5 - 6
Gas welding (light), up to 1/8-inch	4 - 5
Gas welding (medium), 1/8-inch to 1/2-inch	5 - 6
Gas welding (heavy), over 1/2-inch	6 - 8



Hazard Communication Policy OSHA Operations

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HAZARD COMMUNICATION (OSHA Operations)

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1 Purpose – To establish requirements and procedures necessary to evaluate chemicals used at each respective operation. To provide and transmit information concerning classified physical and health hazards associated with these chemicals to employees who may encounter one or more of the chemicals on the job so that they may protect themselves with safe work practices. This revised standard is intended to be consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

1.2 Definitions

- A. Access – The right to examine and copy records.
- B. Article – A manufactured item that is formed to a specific shape or design during manufacture and has end-use functions which depend on the shape or design and which under normal conditions of use does not release more than minute or trace amounts of a hazardous chemical.
- C. Chemical – Any substance, or mixture of substances.
- D. Chemical manufacturer – An employer with a workplace where chemicals are produced for use or distribution.
- E. Container – Any bag, barrel, bottle, box, can, cylinder, drum, reaction vessel, storage tank or the like that contains a hazardous chemical. Not included as containers for Hazard Communication purposes are pipes, piping systems, conveyors, engines, fuel tanks and other operating systems or parts in a vehicle.
- F. Employee – A worker who may be exposed to hazardous chemicals under normal operating conditions or in foreseeable emergencies.
- G. Exposure or exposed – Being subjected, or potentially subjected to a physical or health hazard in the course of employment. Exposure to health hazards includes inhalation, ingestion, skin contact or absorption.
- H. Hazard Category – A comparison of the level of hazard severity within a hazard class.
- I. Hazard Class – The nature of physical or health hazards (e.g. flammable, corrosive, irritant, carcinogen, etc.).
- J. Hazard Not Otherwise Classified (HNOC) – An adverse physical or health effect that is identified but is not captured by a GHS hazard category.
- K. Hazard Statement – A statement assigned to a hazard class and category that describes the nature of the hazard (s) of a chemical.
- L. Hazardous Chemical – Any chemical which is classified as a physical or health hazard, a simple asphyxiant, combustible dust, pyrophoric gas, or hazard not otherwise classified.

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- M. Health Hazard – A chemical which is classified as posing one of the following hazardous effects: acute toxicity (any route of exposure); skin corrosion or irritation; serious eye damage or eye irritation; respiratory or skin sensitization; germ cell mutagenicity; carcinogenicity; reproductive toxicity; specific target organ toxicity (single or repeated exposure); or aspiration hazard.
- N. Label – Any written, printed or graphic material displayed on or affixed to a container to identify its contents and convey other relevant information.
- O. Label elements – The specified pictogram, hazard statement, signal word and precautionary statement for each hazard class and category.
- P. Physical hazard – A chemical that has been classified as posing one of the following hazardous effects: explosive; flammable (gases, aerosols, liquids, or solids); oxidizer (liquid, solid or gas); self-reactive; pyrophoric (liquid or solid); self-heating; organic peroxide; corrosive to metal; gas under pressure; or in contact with water emits flammable gas.
- Q. Pictogram – A composition that may include a symbol plus other graphic elements, such as a border, background pattern, or color that is intended to convey specific information about the hazards of a chemical. Eight pictograms are designated under the standard.
- R. Precautionary Statement – A phrase that describes recommended measures that should be taken to minimize or prevent adverse effects resulting from exposure to a hazardous chemical, or improper storage or handling.
- S. Product Identifier – The name or number used for a hazardous chemical on a label or Safety Data Sheet (SDS).
- T. Raw Material – Ore, valuable minerals, worthless material or gangue, overburden, or a combination of these, that is removed from natural deposits by mining or is upgraded through milling.
- U. Safety Data Sheet (SDS) – The written or printed material concerning a hazardous chemical in compliance with the Hazardous Communication Standard and GHS requirements.
- V. Signal Word – A word used to indicate the relative level of severity of hazard and alert the reader to a potential hazard on the label. The signal words used in this section are "danger" and "warning". "Danger" is used for more severe hazards, while "warning" is used for less severe.
- W. Work Area – A room or defined space in a workplace where hazardous materials are produced or used and where employees are present.

1.3 Hazard Communication Program

A. Requirements

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- Hazard Communication requirements apply to each operation storing, producing or using a hazardous chemical to which an employee may encounter under normal conditions or in a foreseeable emergency.

B. Exemptions

- Chemicals exempt from Hazard Communication requirements include:
 - Any pesticide when regulated by the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) when subject to the labeling requirements of the Environmental Protection Agency (EPA);
 - Any chemical substance or mixture as regulated by the Toxic Substances Control Act (TSCA) when subject to the labeling requirements issued under that Act by the Environmental Protection Agency;
 - Hazardous waste when regulated under the Resource Conservation and Recovery Act (RCRA) and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA);
 - Articles which release no more than insignificant amounts of hazardous chemicals and pose no risk to exposed employees
 - Biological hazards;
 - Consumer products when used as intended by the manufacturer and the use of which does not expose employees more often or for longer periods than ordinary consumer use;
 - Food or alcoholic beverages which are sold, used or prepared in a retail establishment and foods intended for personal consumption by employees in the workplace;
 - Drugs intended for personal consumption by employees while in the workplace (e.g. first aid supplies);
 - Cosmetics intended for personal consumption by employees while in the workplace;
 - Ionizing and nonionizing radiation; and
 - Wood and wood products. Treated or painted wood products and wood dust are not exempt.

1.4 Hazard Classification

- A. Each chemical brought onto the site and each chemical produced on the site, including intermediate products and by-products, must be evaluated to determine the hazard classes, and where appropriate, the category of each class that applies to the chemical being classified.
- Classifications that have already been performed on labels and SDS's by manufacturers or importers for chemicals that are brought on site do not have to be re-classified unless a workplace chooses not to rely on these classifications.

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- Chemical manufacturers, importers or employers classifying chemicals shall identify and consider the full range of available scientific literature and other evidence concerning the potential hazards. There is no requirement to test the chemical to determine how to classify its hazards. Appendix A to §1910.1200 shall be consulted for classification of health hazards, and Appendix B to §1910.1200 shall be consulted for the classification of physical hazards.
- When classifying mixtures:
 - Chemical manufacturers, importers, or employers evaluating chemicals shall follow the procedures described in Appendices A and B to §1910.1200 to classify the hazards of the chemicals, including determinations regarding when mixtures of the classified chemicals are covered by this section.
 - Chemical manufacturers and importers of mixtures may rely on the information provided on the current safety data sheets of the individual ingredients except where the chemical manufacturer or importer knows, or in the exercise of reasonable diligence should know, that the safety data sheet misstates or omits information required by this section.

Note: Products containing crystalline silica and having the potential to generate respirable dust exposure during normal downstream use are considered hazardous since respirable crystalline silica may cause lung damage and has been classified as a carcinogen.

1.5 Written HazCom Program

- A. Each operation must develop, implement, and maintain at each workplace, a written hazard communication program which at least describes how labels and other forms of warning, safety data sheets, and employee information and training requirements will be met, and which also includes:
 - A list of the hazardous chemicals known to be present using a product identifier that is referenced on the appropriate safety data sheet (the list may be compiled for the workplace as a whole or for individual work areas);
 - The methods the employer will use to inform employees of the hazards of non-routine tasks (for example, the cleaning of reactor vessels), and the hazards associated with chemicals contained in unlabeled pipes in their work areas;
 - The location of SDS's and how they are accessible to employees;
 - How Hazard Communication training is conducted for employees;
 - How relevant HazCom information is shared with other employers on site.
- B. List of Hazardous Materials
 - A list of all hazardous chemicals on site must be prepared and kept up-to-date. The list must:

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- Use a chemical identity which permits cross-referencing with the label and SDS.
 - Be compiled for the whole operation or by work areas.
 - If the list is compiled for the operation, include the location(s) where the chemical is used or stored.
 - If the list contains hazardous as well as non-hazardous chemicals, identify the hazardous chemicals.
 - Include part numbers as well as the manufacturer and product name so the list can be used to obtain missing SDS's.
- C. Each operation will make the written program available upon request to all employees, employees' designated representatives and representatives of OSHA.

1.6 Labels and other forms of warning

A. General Requirements

- All containers of hazardous materials shall be labeled, tagged or marked with the following information:
 - Product Identifier;
 - Signal Word;
 - Hazard Statement(s);
 - Pictogram(s);
 - Precautionary Statement(s); and
 - Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party.

B. Exemptions

- Containers which are already labeled under other federal agency requirements, such as hazardous waste and consumer products do not have to be re-labeled.

C. Workplace Labeling

- The employer shall ensure that each container of hazardous chemicals in the workplace is labeled, tagged or marked with either:
 - The label components as defined in 1.6A above; or
 - Product identifier and words, pictures, symbols, or combination thereof, which provide at least general information regarding the hazards of the chemicals, and which, in conjunction with the other information immediately available to

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employees under the hazard communication program, will provide employees with the specific information regarding the physical and health hazards of the hazardous chemical.

- Written materials must be readily accessible to the employees in their work area throughout each work shift.
 - Portable containers into which hazardous chemicals are transferred from labeled containers, and which are intended only for the immediate use of the employee who performs the transfer do not have to be labeled.
 - Existing labels shall not be defaced on incoming containers of hazardous chemicals, unless the container is immediately marked with the required information.
 - Workplace labels or other forms of warning must be legible, in English, and prominently displayed on the container, or readily available in the work area throughout each work shift.
 - Employers having employees who speak other languages may add the information in their language to the material presented, as long as the information is presented in English as well.
 - The operation is not responsible for an inaccurate label on a container obtained from the manufacturer or supplier; however, if a problem is noted, the manufacturer should be notified.
 - If a revised label is received from the manufacturer, the operator must replace the outdated one.
- D. Labels for Chemicals Produced on Site (Shipped Containers):
- The information provided on the label must be presented in accordance with 1.6 A above, Allocation of Label Elements, for each hazard class and associated hazard category for the hazardous chemical, prominently displayed, and in English (other languages may also be included if appropriate).
 - Signs, placards, process sheets, batch tickets, operating procedures, or other such written materials may be used in lieu of affixing labels to individual stationary process containers, as long as the alternative method identifies the containers to which it is applicable and conveys the required label hazard information.
 - When newly aware of any significant information regarding the hazards of a chemical, labels shall be revised for the chemical within six months and it shall be ensured that labels on containers of hazardous chemicals shipped after that time contain the new information. If the chemical is not currently produced or imported, the chemical manufacturer, importer, distributor, or employer shall add the information to the label before the chemical is shipped or introduced into the workplace again.

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- Each container of hazardous chemicals leaving the workplace shall be labeled, tagged, or marked in accordance with this section in a manner which does not conflict with the requirements of the Hazardous Materials Transportation Act (49 U.S.C. 1801 et seq.) and regulations issued under that Act by the Department of Transportation.

E. Solid Materials

- For solid metal (such as a steel beam or a metal casting), solid wood, or plastic items that are not exempted as articles due to their downstream use, or shipments of whole grain, the required label may be transmitted to the customer at the time of the initial shipment, and need not be included with subsequent shipments to the same employer unless the information on the label changes;
- The label may be transmitted with the initial shipment itself, or with the safety data sheet that is to be provided prior to or at the time of the first shipment; and,
- This exception to requiring labels on every container of hazardous chemicals is only for the solid material itself, and does not apply to hazardous chemicals used in conjunction with, or known to be present with, the material and to which employees handling the items in transit may be exposed (for example, cutting fluids or pesticides in grains).

1.7 Safety Data Sheets (SDS)

A. General Requirements

- Each operation shall obtain or develop a safety data sheet for each hazardous chemical they produce or import.
- Employers shall have a safety data sheet in the workplace for each hazardous chemical which they use.
- Safety data sheets shall be written in English (although the employer may maintain copies in other languages as well), and include at least the following section numbers and headings, and associated information under each heading, in the order listed (See Appendix D to §1910.1200 – Safety Data Sheets, for the specific content of each section of the safety data sheet):
 - Section 1 - Identification;
 - Section 2 - Hazard(s) identification;
 - Section 3 - Composition/information on ingredients;
 - Section 4 - First-aid measures;
 - Section 5 - Fire-fighting measures;
 - Section 6 - Accidental release measures;

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- Section 7 - Handling and storage;
 - Section 8 - Exposure controls/personal protection;
 - Section 9 - Physical and chemical properties;
 - Section 10 - Stability and reactivity;
 - Section 11 - Toxicological information.
 - Section 12 - Ecological information;
 - Section 13 - Disposal considerations;
 - Section 14 - Transport information;
 - Section 15 - Regulatory information; and
 - Section 16 - Other information, including date of preparation or last revision.
- Chemical manufacturers or importers shall ensure that distributors and employers are provided an appropriate safety data sheet with their initial shipment, and with the first shipment after a safety data sheet is updated;
- The chemical manufacturer or importer shall either provide safety data sheets with the shipped containers or send them to the distributor or employer prior to or at the time of the shipment;
- If the safety data sheet is not provided with a shipment that has been labeled as a hazardous chemical, the distributor or employer shall obtain one from the chemical manufacturer or importer as soon as possible; and,
- The chemical manufacturer or importer shall also provide distributors or employers with a safety data sheet upon request;
- The employer shall maintain in the workplace copies of the required safety data sheets for each hazardous chemical, and shall ensure that they are readily accessible during each work shift to employees when they are in their work area(s). (Electronic access and other alternatives to maintaining paper copies of the safety data sheets are permitted as long as no barriers to immediate employee access in each workplace are created by such options.);
- Where employees must travel between workplaces during a workshift, i.e., their work is carried out at more than one geographical location, the safety data sheets may be kept at the primary workplace facility. In this situation, the employer shall ensure that employees can immediately obtain the required information in an emergency;
- Safety data sheets may be kept in any form, including operating procedures, and may be designed to cover groups of hazardous chemicals in a work area where it may be more appropriate to address the hazards of a process rather than individual

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hazardous chemicals. However, the employer shall ensure that in all cases the required information is provided for each hazardous chemical, and is readily accessible during each work shift to employees when they are in their work area(s).

- Safety data sheets shall also be made readily available, upon request, to designated representatives, the Assistant Secretary, and the Director, in accordance with the requirements of 29 CFR 1910.1020(e).

1.8 Employee Information and Training

A. General Requirements:

- Employers shall provide employees with effective information and training on hazardous chemicals in their work area at the time of their initial assignment, and whenever a new chemical hazard the employees have not previously been trained about is introduced into their work area.
- Information and training may be designed to cover categories of hazards (e.g., flammability, carcinogenicity) or specific chemicals.
- Chemical specific information must always be available through labels and safety data sheets.

B. Information:

- Employees shall be informed of the contents of the OSHA Hazard Communication Standard, operations in their work area where hazardous chemicals are present, and the location of the site written program (including the list of hazardous chemicals) and SDS's.

C. Training content:

- Methods and observations that may be used to detect the presence or release of a hazardous chemical in the work area (such as monitoring conducted by the employer, continuous monitoring devices, visual appearance or odor of hazardous chemicals when being released, etc.);
- The physical, health, simple asphyxiation, combustible dust, and pyrophoric gas hazards, as well as hazards not otherwise classified, of the chemicals in the work area;
- The measures employees can take to protect themselves from these hazards, including specific procedures the employer has implemented to protect employees from exposure to hazardous chemicals, such as appropriate work practices, emergency procedures, and personal protective equipment to be used; and,
- The details of the hazard communication program developed by the employer, including an explanation of the labels received on shipped containers and the workplace labeling system used by their employer; the safety data sheet, including

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the order of information and how employees can obtain and use the appropriate hazard information.

- D. All hazard communication training must be documented by completing and signing a LEHIGH HANSON training documentation form.

1.9 Multi-employer workplaces

- A. Employers who produce, use, or store hazardous chemicals at a workplace in such a way that the employees of other employer(s) may be exposed (for example, employees of a construction contractor working on-site) shall additionally ensure that the hazard communication programs developed will include the following:
 - The methods the employer will use to provide the other employer(s) on-site access to safety data sheets for each hazardous chemical the other employer(s)' employees may be exposed to while working;
 - The methods the employer will use to inform the other employer(s) of any precautionary measures that need to be taken to protect employees during the workplace's normal operating conditions and in foreseeable emergencies; and,
 - The methods the employer will use to inform the other employer(s) of the labeling system used in the workplace.
- B. Each operation which has other operators on site will document the specific information shared with other operators, including the name of the representative(s) who received the information.

1.10 Monitoring and Enforcement – The plant manager or his designee is responsible for the implementation and enforcement of this policy. Failure to follow this policy can result in an employee receiving a safety violation notice, loss of safety incentive, and/or disciplinary action up to and including termination of employment.

2. STATUTORY REFERENCES

- 2.1 29 CFR 1910.1200 – Hazard Communication
- 2.2 29 CFR 1910. 1020 Access to Employee Medical and Exposure Records
- 2.3 30 CFR Part 47 – Hazard Communication (HazCom)
- 2.4 MSHA PROGRAM POLICY LETTER NO. P13-IV-01



Respiratory Protection Policy OSHA Operations

Effective Date	<u>March 1, 2011</u>		
Revision Date			
Approval		Date	<u>02/18/11</u>
Approval		Date	<u>02/18/11</u>

RESPIRATORY PROTECTION (OSHA Operations)

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1. **Purpose** – To establish the requirements and procedures to protect employees against overexposure to airborne contaminants.

1.2. Definitions

- A. **Air-purifying Respirator** – A respirator with an air-purifying filter, cartridge, or canister that removes specific air contaminants by passing ambient air through the air-purifying element.
- B. **Atmosphere-supplying Respirator** – A respirator that supplies the respirator user with breathing air from a source independent of the ambient atmosphere, and includes supplied-air respirators (SARs) and self-contained breathing apparatus (SCBA) units.
- C. **Canister or Cartridge** – A container with a filter, sorbent or catalyst, or combination of these items, which removes specific contaminants from the air passed through the container.
- D. **Filtering Facepiece (dust mask)** – A negative pressure particulate respirator with a filter as an integral part of the facepiece or with the entire facepiece composed of the filtering medium.
- E. **Fit Test** – The use of a protocol to qualitatively or quantitatively evaluate the fit of a respirator on an individual.
- F. **Immediately Dangerous to Life or Health (IDLH)** – An atmosphere that poses an immediate threat to life, would cause irreversible adverse health effects, or would impair an individual's ability to escape from a dangerous atmosphere.
- G. **Negative Pressure Respirator (tight fitting)** – A respirator in which the air pressure inside the facepiece is negative during inhalation with respect to the ambient air pressure outside the respirator.
- H. **Positive Pressure Respirator** – A respirator in which the pressure inside the respiratory inlet covering exceeds the ambient air pressure outside the respirator.
- I. **Qualitative Fit Test (QLFT)** – A pass/fail fit test to assess the adequacy of respirator fit that relies on the individual's response to the test agent.
- J. **Quantitative Fit Test (QNFT)** – An assessment of the adequacy of respirator fit by numerically measuring the amount of leakage into the respirator.
- K. **Self-contained Breathing Apparatus (SCBA)** – An atmosphere-supplying respirator for which the breathing air source is designed to be carried by the user.
- L. **Supplied-air Respirator (SAR) or Airline Respirator** – An atmosphere-supplying respirator for which the source of breathing air is not designed to be carried by the user.

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- M. User Seal Check – An action conducted by the respirator user to determine if the respirator is properly seated to the face.
- 1.3. Determination of Airborne Contaminant Exposure** – Monitoring of the work place shall be conducted as often as necessary to determine if a level of airborne contaminants are present, which may impact the health of LEHIGH HANSON employees working in that area.
- Each plant manager or his designee shall:
 - Analyze the various jobs being performed at his/her respective location.
 - Determine if a level of airborne contaminants is present, which may impact the health of LEHIGH HANSON employees working in each area where the various jobs are being performed.
 - Select and/or purchase proper respiratory protective equipment necessary to provide adequate protection against the hazards identified for each of the various jobs being performed at his/her respective location. (This should be based on the evaluation and recommendations of the Safety & Health Department.)
 - Ensure that all required respiratory protective equipment is available, appropriate and well maintained.
- 1.4. Airborne Contaminant Exposure (Engineering Controls)** – Airborne contaminant levels exceeding threshold limit values (TLV's) will first be reduced as much as possible through engineering controls. Examples of engineering controls are:
- A. Enclosing existing equipment cabs or installing new ones.
 - B. Enclosing spouts in screening, mixing, bagging and other operations where cement, sand, rock or other dusty materials are dumped, where practical.
 - C. Installing water, mist or fog sprays to prevent dust from escaping at the source; such as roads, screening equipment, bagging equipment, mixing equipment and transfer points, where practical.
 - D. Installing dust collection systems to prevent dust from escaping at the source; such as screening equipment, bagging equipment, mixing equipment and transfer points, where practical.
 - E. Using ventilation devices.
- 1.5. Respiratory Protection** – Employees working in potentially hazardous breathing environments will be supplied with respiratory protection.
- A. Use of respiratory protection shall be mandatory in designated areas when:
 - Engineering controls are not feasible.
 - During such time as engineering controls are being implemented, but are not complete.
 - Working in posted areas.
 - B. Appropriate respiratory protection will be available from the Company. Employees will be instructed in the proper selection and use of respiratory protection.

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1.6. Selection – Respirators shall be selected which have been tested and approved by NIOSH for protection against the known hazard. The range of respirators available will be adequate to accommodate the physical characteristics of the employees to be fitted. The Safety & Health Department will provide assistance in the proper selection of respirators.

- A. The three filter series are referred to as N,R and P. The levels of filter efficiency are 95 percent, 99 percent and 99.9 percent against the most difficult size particle to filter.
 - N-Series Filters – the “N” refers to “no oil in the air.” This filter may be used for solid or liquid particulate hazards that do not contain oil and where the hazard is only the particulate nature of the contaminant. Generally, these filters can be used and reused subject only to considerations of hygiene, damage and increased breathing resistance.
 - R-Series Filters – the “R” refers to “oil resistant.” This filter provides some protection against air that is contaminated with some particulate and has some oil present; however, this filter is not the best alternative. This filter may be used for any solid or liquid airborne particulate hazard. If the atmosphere contains oil, this filter can only be used for a single shift or eight hours of continuous or intermittent use.
 - P-Series Filters – the “P” refers to “oil proof.” This filter is intended for removal of any particulate, including oil-based liquid aerosols. This filter may be used for any solid or liquid particulate airborne hazard. Typical service life should not exceed 40 hours of continuous use or 30 days of intermittent use, unless hygiene or other reasons warrant earlier replacement.
- B. Where oil is suspected, but air samples have not been taken to determine its presence, a “P” series filter should be selected.

1.7. Training – Employees shall be trained in the proper use of respirators and their limitations.

- A. The employees shall be instructed in the nature of the hazard and an appraisal of what may happen if the respirator is not worn as required. Training will provide employees with the opportunity to handle a respirator and have it properly fitted, to test its face seal, and to wear it in normal air for familiarization. This training shall also include how to properly don, doff, adjust and wear a respirator; the limitations of the respirator; and the proper care, maintenance, useful life and disposal of the respirator.
- B. This training shall include a process by which each employee shall demonstrate an understanding of the training provided and demonstrate the ability to use the respirator properly, before an employee shall be allowed to perform work requiring the use of a respirator.
 - In cases where management does not believe that an employee has adequate understanding and ability, the employee shall receive additional training.
- C. On hire and annually thereafter, affected employees will be trained in the proper use of respirators.

RESPIRATORY PROTECTION (OSHA Operations)

1.8. Posting

- A. Areas where employees are required to wear respiratory protection due to the presence of a potentially hazardous breathing environment will have a sign posted which will be visible from the work area. (See Example 1.)

1.9. Monitoring and Enforcement – Safety & Health personnel and/or supervisors will monitor and enforce the wearing of respiratory protection and will post signs in areas where hazardous breathing environments exist. Monitoring of the work place shall be conducted as often as necessary to determine if hazardous breathing conditions exist, and to determine the adequacy of any control measures being used. Employees who refuse to wear respiratory protection will be subject to disciplinary action.

1.10. Assessment

- A. General guidelines shall be followed when assessing respiratory hazards that exist in the workplace and when matching respiratory protection equipment to the particular hazards found. It shall be the responsibility of the plant manager, with the assistance of the Safety & Health Department, to select the appropriate respiratory protection equipment based on the particular hazards found during the assessment of a site.
- B. The plant manager or his designee shall verify that the required workplace hazard assessment has been performed through a written certification that identifies:
 - The workplace evaluated.
 - The name of the person certifying that the evaluation has been performed.
 - The date(s) of the hazard assessment.
 - The document as a certification of hazard assessment.
 - Refer to the "Workplace Hazard Assessment Certification Form" included in this section.
- C. The following procedure should be followed in assessing workplace hazards:
 - Conduct a walk-through survey of all work areas, giving consideration to harmful dust or inhalants.
 - During the walk-through survey, observations shall be made as to the sources of harmful dust or inhalants.
 - During the walk-through survey, monitoring of the work place shall be conducted to determine if levels of airborne contaminants are present that exceed the threshold limit values (TLV's).
 - In addition to the walk-through, all respiratory illness records should be reviewed to help identify possible problem areas.
- D. Upon completion of the walk-through, monitoring, and review of records, all information should be organized and reviewed in order to best determine all possible hazards in

RESPIRATORY PROTECTION (OSHA Operations)

the work place and to best select respiratory protection equipment to protect against those hazards.

- E. The selection of required respiratory protection equipment can be documented on the form entitled "Worksite-Specific Respirator Plan," included in this section and the form entitled, "Job-Specific Personal Protective Equipment Requirements," included in the Personal Protection Equipment section of this manual.

1.11. Respiratory Protection Policy and Procedures

- A. All employees working in a potentially hazardous breathing environment will have access to respiratory protection.
- B. All employees working in potentially hazardous breathing environments are required to have their respiratory protection immediately available while on site.
- C. Respiratory protection is available at the job-site offices or from supervisors.
- D. Respiratory protection shall be worn while working in potentially hazardous breathing environments.
- E. All employees using respiratory protection shall use their respiratory protection in accordance with instructions and training received.
- F. If the necessity of wearing respiratory protection is in doubt, respiratory protection should be worn until such time as an accurate evaluation indicates that the environment is not a hazardous breathing environment.
- G. All employees having the need to wear respiratory protection will be certified as medically qualified to wear a respirator and then fit tested prior to wearing a respirator.
- H. Since beard growth (including "stubble") prevents an effective seal, all persons who are required to wear a respirator shall be clean-shaven over the skin surface that seals against the face piece of the respirator, unless the person is fitted with an approved hood type respirator.
- I. Each time an employee puts on a tight-fitting respirator, he/she shall perform a user seal check on the respirator.
- J. When respiratory protection is used in IDLH atmospheres, the presence of at least one other person with back-up equipment and rescue capability shall be required.

1.12. Medical Certification

- A. The Company will allow voluntary use of respirators by employees who by definition are not exposed to hazardous breathing environments, but who based on their own personal comfort level believe a respirator affords them additional comfort and/or protection. These employees will be allowed to wear a respirator only after:

RESPIRATORY PROTECTION (OSHA Operations)

- It has been determined that the use of the respirator will not in itself create a hazard.
 - It has been determined that the employee is medically qualified to wear a respirator. (Filtering facepiece exempt from requirement.)
 - The employee has received a copy of 29 CFR 1910.134, Appendix D (included in this section).
- B. The Company requires all employees exposed to hazardous breathing environments to be certified as medically qualified to wear a respirator prior to being fit tested for a respirator.
- C. Medical qualification shall be certified by the following medical evaluation procedure:
- Company shall obtain the services of a physician or other licensed health care professional to perform the medical qualification evaluation using either a medical questionnaire – Sections 1 and 2, Part A of Appendix C of 29 CFR 1910.134 or a medical examination.
 - Employee shall undergo the medical evaluation.
 - Any employee responding positively to any question among questions one through eight of the questionnaire, or who demonstrates the need for a follow-up medical examination as a result of the initial medical examination, shall undergo a follow-up medical examination.
 - The follow-up medical examination shall include any medical tests, consultations or diagnostic procedures that the administering physician or licensed health care professional deems necessary to make the final determination of medical qualification.
 - Only employees that are certified as medically qualified to wear a respirator shall be eligible for fit testing and respirator use.
- D. The Company shall require subsequent medical qualification evaluations for an employee who has been deemed medically qualified to wear a respirator, for any of the following reasons:
- Employee reports medical signs or symptoms that are related to his/her ability to use a respirator.
 - A physician, licensed health care professional or supervisor informs the Company that an employee needs to be reevaluated.
 - Information from the respiratory protection program, including observations made during fit testing and program evaluation, indicates a need for employee reevaluation.

1.13. Fit Testing

- A. The Company requires all employees exposed to potentially hazardous breathing environments to be fit tested with the same make, model, style and size of respirator that will be used, prior to wearing a respirator.
- Fit testing shall conform to OSHA-accepted fit test protocols found in Appendix A of 29 CFR 1910.134.

RESPIRATORY PROTECTION (OSHA Operations)

1.14. Respirator Maintenance — Respirators shall be cleaned and disinfected regularly. The maintenance program will be adjusted according to the type and size of the operation where respirators are to be worn. A minimum program shall include cleaning, inspection for defects and repair. Respirators should be cleaned after each day's use. Whenever possible, a respirator shall be assigned to each worker for his/her exclusive use.

- A. The Company shall provide training describing acceptable respirator cleaning and maintenance procedures for each employee required to use respiratory protection.
- B. The following procedure shall be followed when cleaning and maintaining respirators:
 - Remove and discard filters.
 - Wash face piece in a detergent/disinfectant solution (warm temperature at 140° F).
 - Rinse face piece completely in clean warm water.
 - Air dry in a clean area.
 - Inspect valves, head straps and other parts.
 - Replace defective parts with NIOSH-approved parts designed for the respirator.
 - Insert new filters, making sure correct filters are used and the seal is tight.
 - Place assembled respirator in plastic bag for storage.

1.15. Recordkeeping

- A. The plant manager or his designee shall maintain all records including assessment, respirator selection, medical certification, fit testing and training records.
- B. Training shall be documented by means of LEHIGH HANSON "Training Documentation Forms" and/or LEHIGH HANSON "Safety Meeting Forms" and a copy shall be placed in each employee's file (see manual section on Training). Training records shall be retained for a period of three years from the date of the training and shall include the following information:
 - Employee's name.
 - Date of training.
 - Outline describing the training material.
 - Signature of trainer documenting that training was provided.
 - Signature of employee documenting that training was received.
- C. The plant manager or his designee shall verify the required respiratory protective equipment for each job within the workplace by completing, dating and signing the form entitled "Worksite-Specific Respirator Plan," included in this section and the form entitled, "Job Specific Personal Protective Equipment Requirements," included in Personal Protection Equipment section of this manual.
- D. The plant manager or his designee shall verify that the required workplace hazard assessment has been performed by completing, dating and signing the written certification form entitled, "Workplace Hazard Assessment Certification Form."

2. STATUTORY REFERENCES

2.1. 29 CFR § 1910.134 - Respiratory Protection.

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(OSHA Operations)

- 2.2. 29 CFR § 1910.134 App B-1 - User Seal Check Procedures.
- 2.3. 29 CFR § 1910.134 App B-2 - Respiratory Cleaning Procedures.
- 2.4. 29 CFR § 1910.134 App C - OSHA Respirator Medical Evaluation Questionnaire.
- 2.5. 29 CFR § 1910.134 App D - Information for Employees Using Respirators When not Required Under Standard.
- 2.6. 30 CFR § 56.5005 – Control of exposure to airborne contaminants.
- 2.7. The Program Policy Manual – Control of exposure to airborne contaminants.
- 2.8. 30 CFR § 56/57.5002 – Exposure monitoring.

RESPIRATORY PROTECTION
(OSHA Operations)

**RESPIRATORY
PROTECTION
REQUIRED WHEN
ENTERING THIS
AREA**

EXAMPLE 1

RESPIRATORY PROTECTION

Appendix D to Sec. 1910.134

(Mandatory) Information for Employees Using Respirators When Not Required Under the Standard

Respirators are an effective method of protection against designated hazards when properly selected and worn. Respirator use is encouraged, even when exposures are below the exposure limit, to provide an additional level of comfort and protection for workers. However, if a respirator is used improperly or not kept clean, the respirator itself can become a hazard to the worker. Sometimes, workers may wear respirators to avoid exposures to hazards, even if the amount of hazardous substance does not exceed the limits set by OSHA standards. If your employer provides respirators for your voluntary use, or if you provide your own respirator, you need to take certain precautions to be sure that the respirator itself does not present a hazard.

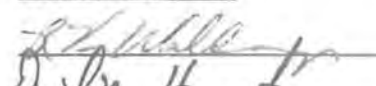
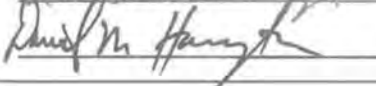
You should do the following:

1. Read and heed all instructions provided by the manufacturer on use, maintenance, cleaning and care, and warnings regarding the respirators limitations.
2. Choose respirators certified for use to protect against the contaminant of concern. NIOSH, the National Institute for Occupational Safety and Health of the U.S. Department of Health and Human Services, certifies respirators. A label or statement of certification should appear on the respirator or respirator packaging. It will tell you what the respirator is designed for and how much it will protect you.
3. Do not wear your respirator into atmospheres containing contaminants for which your respirator is not designed to protect against. For example, a respirator designed to filter dust particles will not protect you against gases, vapors, or very small solid particles of fumes or smoke.
4. Keep track of your respirator so that you do not mistakenly use someone else's respirator.

[63 FR 1152, Jan. 8, 1998; 63 FR 20098, April 23, 1998]



Substance Abuse and Prevention (Non-DOT)

Effective Date	<u>January 11, 2012</u>	
Revision Date	<u>December 31, 2011</u>	
Approval		Date <u>1/11/12</u>
Approval		Date <u>1/11/12</u>

Lehigh Hanson
HEIDELBERGCEMENT Group

Title	Substance Abuse and Prevention
Number	HR-US 2-005 Non-DOT
Approval Date	January 11, 2012
Revision Date	December 31, 2011

General Policy Statement:

Lehigh Hanson is committed to protecting the safety, health and well-being of all employees, customers and the general public. This policy will serve to inform employees of the requirements of Lehigh Hanson's drug-free workplace standards, and provide information regarding the Company's Employee Assistance Program (EAP). A Union-supported EAP will be used where directed by collective bargaining agreements.

Lehigh Hanson encourages employees to voluntarily seek assistance with drug and alcohol problems and to utilize the *Employee Assistance Program* (EAP) before those problems affect their workplace performance.

It is the policy of Lehigh Hanson that prohibited behaviors during working hours, while operating company vehicles /equipment, on Company property, or being at work/job site with the detectable presence of a controlled substance or alcohol (*see Appendix 1*) will include but not be limited to;

- 1.) Manufacture, distribution, possession, or use of illegal drugs
- 2.) Manufacture, distribution, possession, or use of alcohol (possession of sealed alcohol temporarily stored in personal or company vehicles and offices is allowed as applicable with state or local law).
- 3.) Improper or unreported use of prescription drugs that in any way could affect job performance.

Any employee that violates this Policy will be subject to disciplinary action up to and including termination of employment. Any employee of a contractor or vendor, or any guest or visitor to a work site who violates any provision of this Policy will be removed and prohibited from any future access to Company property.

Scope of Policy:

1. This Policy applies to all employees of Lehigh Hanson, including hourly, salaried, temporary, full-time, and part-time; all employees of contractors and vendor companies; and all visitors and guests.
2. At Lehigh Hanson employees who are currently represented by organized labor will be subject to the terms and conditions of the applicable collective bargaining agreements.
3. Lehigh Hanson expressly reserves the right to conduct searches as defined in the company's *Inspection and Searches policy HR-US 2-009*, where applicable.
4. Refusal to cooperate in either the testing procedures outlined in this Policy or in the procedures defined in the *Inspection and Searches policy HR-US 2-009* will be considered a violation of the policies which could result in the employee being disciplined up to and including termination.
5. Job advertisements/postings will include the phrase "A Drug Free Workplace."

Requirements and Prohibitions:

1. Employees are required to report to work free from impairment resulting from the on- or off-duty use of alcohol or other drugs.
2. An employee's decision to voluntarily seek assistance for drug and alcohol problems is encouraged and will not be used as the basis for disciplinary action. Voluntarily seeking assistance after cause for testing under the parameters of this policy will not lessen any disciplinary action. Employees who fail to complete treatment and/or rehabilitation, and all prescribed after care, will be subject to disciplinary action up to and including termination of employment.
3. Any employee whose job requires operating a company vehicle who is arrested for a drug or alcohol-related offense must report the arrest to his/her supervisor prior to the start of their next regularly scheduled work shift. The Company may suspend without pay an employee arrested for a drug or alcohol-related offense, including suspension through resolution of charges. Failure to report the arrest is cause for discipline up to and including termination of employment.
4. To meet the requirements of the "Drug Free Workplace Act" of 1988, all employees convicted of an offense involving alcohol or illegal drugs, must notify the Company within five (5) days after his or her conviction, and will be subject to disciplinary action up to and including termination of employment. A conviction will also include any plea agreement entered into by the employee for a reduced charge or sentence.
5. While the proper use of prescribed drugs is not a violation of Company policy, employees who are taking prescribed medication and/or over-the-counter medication that can cause drowsiness, that may impair their ability to operate equipment or machinery, or that have other potentially hazardous side effects must report the prescription drug use or use of over-the-counter medication to their supervisor and/or management in writing prior to engaging in work (*see Appendix 2*). Failure to report such drug use to management will be grounds for disciplinary action.

Shared Responsibilities:

The Company will comply with unique State Drug Testing Statutes where required, and ensure the accuracy, fairness and consistency of our testing program. All testing will be conducted according to Substance Abuse and Mental Health Services Administration (SAMHSA) and U.S. Department of Health and Human Services (DHHS) guidelines where applicable.

The Company will provide supervisors/managers with education and training in substance abuse detection, documentation, and intervention.

The Company will provide one (1) or more Designated Employer Representative(s) (DER) as the contact person for each Region (*see Appendix 3*). The DER will be responsible for implementation and administration of the Substance Abuse and Prevention program including liaison with any contractor, vendor, or counseling group selected to assist in program administration. The DER will secure an approved specimen collection site(s) to provide services in those situations where specimens are to be collected off premises. The DER will arrange for the implementation of supervisory training in the detection of symptoms of possible drug/alcohol abuse.

Supervisor/Manager will be responsible for distributing the Substance Abuse and Prevention policy, obtaining acknowledgement forms from current and newly hired employees, and ensuring all employees are aware of the consequences of prohibited drug and alcohol use.

Supervisor/Manager will be responsible for observing the performance and behavior of employees and all other persons entering the property and applying his/her training in detection of possible symptoms of drug / alcohol use or impairment.

Supervisor/Manager, or designee, will accompany the employee to the appropriate collection site for all reasonable cause testing (including post accident) within the specified time period as outlined in Testing Procedures, and will verify the employee's identity when an employee does not have photograph identification for presentation at the collection site.

Supervisor/Manager will intervene and remove an employee from his/her duties when an employee voluntarily comes forward admitting a drug or alcohol problem and/or seeking assistance. If an employee comes forward prior to a qualifying event that would subject the employee to alcohol or drug testing under the conditions of this policy, then a Management Referral to the EAP may be provided.

All current and newly hired employees must sign a consent form (*see Appendix 5*) and are responsible for complying with prohibitions related to illegal substances and must provide an unadulterated specimen at a designated collection site, at an assigned time, when requested to do so under this program. All contractors, supplier, customers, visitors, etc. must be informed and comply with provisions of the Drug Free Workplace Act of 1988.

Employees must provide any requested information on a Custody and Control Form and sign the form. Failure to do so or failure to otherwise cooperate with collection personnel will result in disciplinary action up to and including termination of employment. Refusal to provide the specimen will be considered equivalent to failing a drug/alcohol test. Employees are also responsible for reporting medical information (e.g., other prescription or over-the-counter medications recently taken), if such information is requested by the Medical Review Officer (MRO), if applicable, after he/she receives the test result.

Conditions for Drug and Alcohol Testing:

The conditions for drug and alcohol testing in this policy apply to Lehigh Hanson employees not subject to DOT regulations. Any DOT employee not performing DOT functions will be subject to this policy.

Pre-Employment

1. A pre-employment drug test will be conducted and results received before an individual may report to duty. Offers of employment will be retracted if an applicant's test results reveal the presence of a prohibited substance or derivative thereof. Applicants who test positive may not reapply for employment with Lehigh Hanson, or any subsidiary thereof, for a period of one (1) year.

Random

1. The purpose of random testing is to deter prohibited drug and alcohol use and to ensure a drug and alcohol-free workplace. All Lehigh Hanson employees will participate in the random testing program, as applicable with state and local laws.
2. Random testing will be unannounced, confidential, and conducted on a frequency and percentage rate determined annually. In addition, each employee not otherwise tested under the provisions of this policy may be subject to testing no less than once per twenty-four (24) month period.
3. Employees shall be selected for testing by using a computer-based random number generator or equivalent random selection method that is matched with an employee's social security number or employee ID number. Alternatively, some areas may choose to randomly select sites and test all employees at these sites.
4. The appropriate manager/supervisor will notify the employee to be tested:
 - a. The employee will not be notified of the test until after reporting for duty.
 - b. Once notified, the employee shall report immediately to the collection site within 30 minutes, plus travel time.
 - c. The employee will be paid for any time spent to perform the random test.

5. Employees who have been terminated under the provisions of this policy may not reapply for employment with Lehigh Hanson, or any subsidiary thereof, for a period of one (1) year.

Reasonable Cause

1. The company will require an employee, or group of employees, to submit to a drug and/or alcohol test when there is reasonable suspicion to believe that the employee(s) has violated the drug use and/or alcohol use prohibitions of this policy.
2. Employees who have been terminated under the provisions of this policy may not reapply for employment with Lehigh Hanson, or any subsidiary thereof, for a period of one (1) year.
3. A Manager's determination that reasonable suspicion exists must be based on specific observations that can be articulated concerning the appearance, behavior, speech, or body odors of the covered employee. These observations must be documented by the trained Manager/Supervisor and a second trained witness, and must remain confidential. (see Appendix 4).
4. The DER must be notified prior to conducting any testing and provided a copy of the signed documentation (see Appendix 4).
5. The potentially affected employee(s) will not be allowed to proceed alone to or from the collection site. In order to ensure employee and public safety, the employee(s) will be instructed not to drive any motor vehicle due to the reasonable belief that(s) he may be under the influence. The company will take measures to ensure the employee is provided transportation up to and including notifying local law enforcement officials.
6. After returning from the collection site, the employee should not be allowed to return to work pending the results of the drug test. This time away from work will be considered a suspension without pay. Any lost wages will be paid if the resulting test results are negative.

Post-Accident

1. All employees involved in an accident during work hours, during a company sponsored event, and/or operating company equipment, will be subject to a post-accident drug/alcohol test when:
 - a. At least one person is injured and requires off-site medical treatment and/or the accident (medical or not) is reportable to a Federal or State agency.
 1. In a case where an employee is injured as a result of another employee's negligence, both employees will be requested to submit to a drug/alcohol screen.
 - b. Any accident that causes damage to a vehicle, equipment, materials or supplies owned by the company (damage value to be determined by local business practice).
 - c. If there is reasonable suspicion as a result of the accident, refer to Reasonable Cause above.
2. An employee who is subject to post-accident drug/alcohol testing shall remain readily available for such testing or may be deemed by the company to have refused to submit to testing.

Return to Work - Follow-Up

1. An employee returning to work after a leave of absence of 45 calendar days or longer may be required to submit to a drug and alcohol test prior to performing work duties in accordance with the (*Return To Work Policy HR-US 3-008*).
2. A leave of absence will include but not be limited to the following:
 - a. A personal illness, or leave of absence of any kind.
 - b. A work-related injury.
 - c. Return from layoff including seasonal layoffs that extend 45 calendar days or longer.
3. As a condition of continued employment, any employee returning to work after a management referral to the EAP for substance abuse treatment, counseling or rehabilitation will be subject to periodic drug and/or alcohol testing, without prior notice, for a predetermined period of time after his or her return to duty.
4. Employees who have been terminated under the provisions of this policy may not reapply for employment with Lehigh Hanson, or any subsidiary thereof, until supporting documentation of completion of a Substance Abuse Program and agreement to terms and conditions of employment have been received.

Testing Procedures:

Alcohol Testing

1. Breath and/or Saliva testing may be used for the initial alcohol test however, when confirming quantitative data about the alcohol concentration, testing will be performed using an Evidential Breath Testing Device (EBT) and administered by a Breath Alcohol Technician (BAT). These are the results for which any action under operating administration rules shall be based.
2. Each employee subject to a post-accident alcohol test shall be required to submit to the alcohol test within two (2) hours of the accident. If an alcohol test is not administered within two (2) hours following the accident, the supervisor/manager shall prepare and maintain on file a record stating the reason(s) the test was not promptly administered. If a test is not administered within eight (8) hours following the accident, the supervisor/manager shall cease all attempts to conduct an alcohol test and shall prepare and maintain on file written documentation indicating why the alcohol test was not conducted (see Appendix 4).
3. An employee with a confirmed positive alcohol test result will be removed from his/her duties for no less than twenty-four (24) hours without pay and subject to disciplinary action up to and including termination of employment in accordance with the (*Progressive Discipline Policy HR-US 2-004*).
4. An employee with a verified positive alcohol test result equal to 0.04 or greater that is subject to Commercial Drivers License (CDL) requirements per 49 CFR Part 383 and who operates a commercial motor vehicle in interstate or intrastate commerce may not perform any DOT safety-sensitive duties (see *Substance Abuse and Prevention Policy HR-US 2-005 DOT, Appendix 2*) unless they have successfully completed the Substance Abuse Professional evaluation, referral and education/treatment process set forth in Part 40, Subpart O of the FMCSA regulations.

Drug Testing

1. Employees of Lehigh Hanson will be tested under a ten (10) panel drugs and metabolites protocol which includes: amphetamines, barbiturates, benzodiazepines, cocaine metabolite, opiates, phencyclidine, marijuana metabolite, methadone, methaqualone, and propoxyphene. All drug testing will be performed using SAMHSA approved testing facilities.

THE DRUGS IN THIS PROFILE ARE SCREENED BY IMMUNOASSAY. ANY POSITIVE RESULT IS CONFIRMED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY (GC/MS). THE FOLLOWING THRESHOLD CONCENTRATIONS ARE USED FOR THIS ANALYSIS:

DRUG	SCREENING THRESHOLD	CONFIRMATION THRESHOLD
AMPHETAMINES	1000 NG/ML	500 NG/ML
BARBITURATES	300 NG/ML	300 NG/ML
BENZODIAZEPINES	300 NG/ML	300 NG/ML
COCAINE METABOLITE	300 NG/ML	150 NG/ML
OPIATES	2000 NG/ML	2000 NG/ML
PHENCYCLIDINE	25 NG/ML	25 NG/ML
MARIJUANA METABOLITE	50 NG/ML	15 NG/ML
METHADONE	300 NG/ML	300 NG/ML
METHAQUALONE	300 NG/ML	300 NG/ML
PROPOXYPHENE	300 NG/ML	300 NG/ML

2. Testing procedures will include a screening test; a confirmation test; the opportunity for a split sample; review by a Medical Review Officer (MRO), including the opportunity for employees who test positive to provide a legitimate medical explanation, such as a physician's prescription for the positive result; and a documented chain of custody. All drug-testing information will be maintained in confidential files.

3. A Chain-of-Custody (COC) procedure will be followed to account for the integrity of each urine specimen by tracking its handling and storage from point of specimen collection to final disposition of the specimen. These procedures shall require that an appropriate drug testing custody form from a Department of Health & Human Services (DHHS) certified laboratory be used from time of collection to receipt by the laboratory, and include a split sample specimen.
4. All employees subject to a post-accident drug test shall be required to submit to the drug test as soon as practicable following the accident. If the drug test is not conducted within 32 hours following the accident, the supervisor/manager shall cease attempts to administer the test and will prepare and maintain on file a record stating the reason why the test was not promptly administered (see Appendix 4).
5. A positive drug test result on an initial test will be confirmed by a second examination of the sample utilizing Gas Chromatography/Mass Spectrometry (GC/MS) and verified by a Medical Review Officer (MRO).
6. Before any action is taken concerning an employee, the MRO will notify the employee of the positive test result and allow an explanation for the presence of certain drugs. Any employee testing positive for illegal drugs will be dismissed without pay for that day and until completion of the MRO review. Any employee testing positive for illegal drugs will be subject to disciplinary action up to and including termination of employment.
7. An employee with a verified positive drug test result that is subject to Commercial Drivers License (CDL) requirements per 49 CFR Part 383 and who operates a commercial motor vehicle in interstate or intrastate commerce may not perform any DOT safety-sensitive duties (see *Substance Abuse and Prevention Policy HR-US 2-005 DOT, Appendix 2*) unless they have successfully completed the Substance Abuse Professional evaluation, referral and education/treatment process set forth in Part 40, Subpart O of the FMCSA regulations.
8. Any employee with a confirmed positive drug test result will be subject to disciplinary action up to and including termination in accordance with the (*Progressive Discipline Policy HR-US 2-004*).
9. An employee that submits an adulterated urine sample for testing (found to contain a substance that is not a normal constituent or contains an endogenous substance at a concentration that is not a normal physiological concentration) will be in violation of this policy and subject to disciplinary action up to and including termination of employment in accordance with the (*Progressive Discipline Policy HR-US 2-004*).
10. If an employee submits a urine sample and the specific gravity value is so diminished (diluted) that it is not consistent with normal human urine, and the sample is not deemed by the collection site as being adulterated, then the employee will be required to resubmit a specimen under direct observation by a same gender collection technician. Failure to cooperate or resubmit will be in violation of this policy and subject to disciplinary action up to and including termination of employment in accordance with the (*Progressive Discipline Policy HR-US 2-004*). If the observed collection results in a second negative-dilute, which is not deemed to be adulterated, the result will be certified as negative.
11. Should an employee believe an error has occurred during the drug analysis of his or her provided sample, they can request, at his or her own expense that the split sample be retested. This provision does not apply to pre-employment sampling.

Any questions regarding interpretation of this policy should be directed to the Designated Employer Representative (DER) (Appendix 3) in your Region or to the appropriate Human Resource department.

All Federal and State Regulations, Company Policies, Programs and Appendixes referenced in this document will be made available at each facility/location and upon request.



Appendix 1

Illegal Substances Defined

A. *Illegal Substances*

Illegal substances, illicit or controlled substances, mind altering chemicals include, but may not be limited to:

1. Alcohol
2. Amphetamines
3. Barbiturates
4. Benzodiazepines
5. Cocaine
6. Ecstasy (MDMA)
7. Inhalants
8. LSD
9. Marijuana
10. Methamphetamine
11. Methadone
12. Methaqualone
13. Opiates
14. Oxazepam
15. PCP
16. Propoxyphene
17. Prescriptions written for other than the employee
18. Expired prescriptions
19. Other designer or look alike substance
20. Any drug which can impair full functioning ability

B. *Contraband Items*

Contraband items include, but are not limited to:

1. Drug related paraphernalia
2. Drug delivery systems

Post on Bulletin Board



Appendix 2

Employee Notification of Medications

Please Print the Following Information

Employee's Name: _____ Date: _____
EE's SSN: _____ Treating Physician: _____

This is to comply with Lehigh Hanson's Substance Abuse Policy. This is to certify that the above named patient is currently taking prescription medication (Do not list medications.)

This medication may impair his/her ability to perform job specific tasks in a safe manner.

Dates employee will be taking medication(s):		Type of impairment from this medication(s):
From: _____	To: _____	_____
From: _____	To: _____	_____
From: _____	To: _____	_____
From: _____	To: _____	_____
From: _____	To: _____	_____

Physician's Signature

Date



Appendix 3

Substance Abuse and Prevention Personnel and Services

Designated Employer Representative(s) (DER)

Region: Lehigh Hanson North (Northeast Sub-region – NY, PA, MD, NJ, RI, VA, NC, MA)
Name: Leonard Ewing
Address: 7660 Imperial Way, Allentown, PA 18195
Phone: 610-366-4672

Region: Lehigh Hanson North (Midwest Sub-region – KY, OH, IN, IL, MN, IA, ND)
Name: George Henley
Address: 181 West Madison Street, Suite 1800, Chicago, IL 60602
Phone: 312-443-6722

Region: Lehigh Hanson South
Name: Gordon Yonz
Address: 300 East John Carpenter Freeway, Irving, TX 75062
Phone: 972-653-6049

Region: Lehigh Hanson West
Name: Chery Hurst
Address: 9229 Harris Plant Road, San Diego, CA 92145
Phone: 858-715-5667

Region: Lehigh Hanson Building Products
Name: Christine Crockett
Address: 300 East John Carpenter Freeway, Irving, TX 75062
Phone: 972-653-3718

Region: Lehigh Hanson Canada Region, Washington State
Name:
Address:
Phone:

Medical Review Officer (MRO - CMI)

Name: RAYMOND G. ARMSTRONG, M.D.
Address: 6704 GUADA COMA, SCHERTZ, TX 78154
Phone: (210) 967-6169

Medical Review Officer (MRO - DTN)

Name: Dr. Alfred Quinonez
Address: (958) Postal Way, Ste. 6-B; Vista, CA 92083
Phone:

SAMHSA Laboratory - CMI

Lehigh Hanson
HEIDELBERGCEMENT Group

Name: MEDTOX LABORATORIES, INC.
Address: 402 W COUNTY RD D, SAINT PAUL, MN 55112-3522
Phone: (800) 832-3244

SAMHSA Laboratory - DTN

Name: Quest Diagnostics
Address: 8401 Fallbrook Ave., Level 2; West Hills, CA. 91304
Phone: (800) 877-7484

Collection Sites(s) – Resource/Locator Service

Name: CMI
Address: 6704 GUADA COMA, SCHERTZ, TX 78154
Phone: (800) 840-1070

Various collection sites may be utilized. Each collection site will be evaluated to ensure it meets the criteria required to act as an approved site.

Collection Sites(s) – Resource/Locator Service

Name: DTN
Address: 958 Postal Way, Ste 6-B; Vista, CA 92083
Phone: (800) 989-1206

Various collection sites may be utilized. Each collection site will be evaluated to ensure it meets the criteria required to act as an approved site.

Breath Alcohol Technician (BAT) / Screening Test Technician (STT) Resource/Locator Service

Name: CMI
Address: 6704 GUADA COMA, SCHERTZ, TX 78154
Phone: (800) 840-1070

Breath Alcohol Technician (BAT) / Screening Test Technician (STT) Resource/Locator Service

Name: DTN
Address: 958 Postal Way, Ste. 6-B; Vista, CA 92083
Phone: (800) 989-1206

DOT Approved Evidential Breath Testing Devices (EBTS) Utilized

Consortium/Third Party Administrator (C/TPA)

Name: CMI
Address: 6704 GUADA COMA, SCHERTZ, TX 78154
Phone: (800) 840-1070

DOT Approved Evidential Breath Testing Devices (EBTS) Utilized

Consortium/Third Party Administrator (C/TPA)

Name: DTN
Address: 958 Postal Way, Ste. 6-B; Vista, CA 92083
Phone: (800) 989-1206

Employee Assistance Program (EAP)

Region: Lehigh Hanson, Inc. - All Regions
Name: Aetna Employee Assistance Program
Phone: (888) 238-6232



Substance Abuse Professional – SAP Referrals

Name: CMI
Address: 6704 GUADA COMA, SCHERTZ, TX 78154
Phone: (800) 840-1070

Substance Abuse Professional – SAP Referrals

Name: DTN
Address: 958 Postal Way, Ste. 6-B; Vista, CA 92083
Phone: (800) 989-1206



Appendix 4

Drug/Alcohol Testing Supervisor Written Record

(This form is to be used only for the two (2) conditions for testing Listed below)

Employee's Name: _____ Date: _____

Location: _____ Time of Incident: _____

1. Post-Accident Testing – Reason for not testing

a. Alcohol testing not completed within two (2) hours of accident because:

b. Alcohol Testing not completed within eight (8) hours of accident because:

c. Drug testing not completed within 32 hours of accident because:

2. Reasonable Cause Testing Observation

This checklist is to be completed when an incident has occurred which provides reasonable suspicion that an employee or group of employees may be under the influence of alcohol or drugs. The supervisor(s) should note all pertinent behavior, physical signs or symptoms and any circumstances which lead to your reasonable suspicion that the employee(s) may have recently used, or may be under the influence of, a prohibited substance. Mark each applicable item on this form and any additional facts or circumstances which you have noted.

A. Nature of Incident/Cause for Suspicion

- ☐ Observed/reported possession or use of a prohibited substance
- ☐ Apparent drug or alcohol intoxication
- ☐ Observed abnormal or erratic behavior
- ☐ Evidence of tampering on a previous drug test
- ☐ Other (e.g., flagrant violation of safety or serious misconduct, accident, incidents, fighting or argumentative/abusive language, refusal of supervisor instruction, unauthorized absence on the job). Please specify _____



B. Unusual Behavior

- ☐ Verbal abusiveness
- ☐ Apparent drug or alcohol intoxication
- ☐ Extreme aggressiveness or agitation
- ☐ Withdrawal, depression, mood changes, or unresponsiveness
- ☐ Inappropriate verbal response to questioning or instructions
- ☐ Other erratic or inappropriate behavior (e.g., hallucinations, disoriented, excessive euphoria, talkativeness, confused). Please specify.

C. Physical Signs or Symptoms

- ☐ Possessing, dispensing, or using prohibited substance
- ☐ Slurred or incoherent speech
- ☐ Unsteady gait or other loss of physical control, poor coordination
- ☐ Dilated or constricted pupils or unusual eye movement
- ☐ Bloodshot or watery eyes
- ☐ Extreme fatigue or sleeping on the job
- ☐ Excessive sweating or clamminess of the skin
- ☐ Flushed or very pale face
- ☐ Highly excited or nervous
- ☐ Nausea or vomiting
- ☐ Odor of alcohol
- ☐ Odor of Marijuana
- ☐ Dry mouth (frequent swallow/lip wetting)
- ☐ Dizziness or fainting
- ☐ Shaking hands or body tremors/twitching
- ☐ Breathing irregularly or difficulty breathing
- ☐ Runny nose or sores around nostrils
- ☐ Inappropriate wearing of sunglasses
- ☐ Puncture marks or "tracks"
- ☐ Other (Please specify)



D. Written Summary

Please summarize the facts and circumstances of the incident, employee response, supervisor actions taken, and any other pertinent information not previously noted. Please note the date, times and location of reasonable cause testing or note if employee refused test. Attach additional sheets as needed.

Reasonable Cause Testing Observation - Reason for not testing.

a. Alcohol testing not completed within two (2) hours of the determination because:

b. Alcohol testing not completed within eight (8) hours of the determination because:

c. Drug testing not completed within 32 hours of the determination because:

Signature of Supervisor #1

Date

Time

Signature of Supervisor #2

Date

Time



Appendix 5

New Hire Consent Form

Job Applicant: _____

I hereby consent to supplying a sample for a drug and alcohol test. I understand that results from this test will be used in evaluating my application for employment. I also understand that if I am employed by Lehigh Hanson, I may be asked to undergo testing if I am involved in a work-related accident; if I exhibit behavior which gives the employer reasonable cause to believe that I might be impaired on the job; if my employer has another reason to believe I may be impaired; or at unannounced periodic times. It is a condition of any employment, which I might be offered with Lehigh Hanson, that I consent to such testing if I accept an offer of employment. I hereby agree that if I receive an offer, I do accept this condition of employment.

Signature

Date



Training Policy OSHA Operations

Effective Date	<u>March 1, 2011</u>	
Revision Date	<u></u>	
Approval	<u>[Signature]</u>	Date <u>02/18/11</u>
Approval	<u>[Signature]</u>	Date <u>02/18/11</u>

TRAINING **(OSHA Operations)**

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1. Purpose – To establish requirements and procedures to enable Lehigh Hanson to fulfill statutory training requirements, as well as enable the company to focus training efforts for the purpose of reducing accidents, occupational injuries and occupational illnesses.

1.2. Requirements

- A. Lehigh Hanson shall develop and maintain a safety and health training plan for each OSHA operation, as required by each of the respective parts of 29 CFR and as defined in each respective section of the most current Lehigh Hanson Safety and Health Manual.
- B. The plant manager of each operation shall ensure that the training plan for his/her site is strictly adhered to and that all training is documented.
- C. All OSHA safety and health training provided by Lehigh Hanson shall conform to Lehigh Hanson's safety and health training plan as defined in each respective section of the most current Lehigh Hanson Safety and Health Manual.

1.3. Training

- A. Employee training shall be provided for affected employees in the following topics:
 - Bloodborne Pathogens.
 - Confined Space.
 - Crane Safety.
 - Electrical.
 - Emergency Action Plan.
 - Fall Protection.
 - Fire Safety.
 - Forklift Safety.
 - General Office Safety
 - Personal Protection Equipment.
 - Respiratory Protection.
 - Hearing Protection.
 - Hazard Communication.
 - Incident Communications.
 - Lifting Device Inspection.
 - Lockout/Tagout.
 - Machine Guarding.
 - Mobile Equipment – Brake Repairs and Testing.
 - Pre-operation Inspections.
 - Proper Lifting Techniques.
 - Silicosis.
 - Walking/Working Surfaces.

TRAINING **(OSHA Operations)**

B. General office safety training shall include but not be limited to the following topics:

- Proper Lifting.
- Extension Cords.
- Portable Heaters.
- File Cabinets.
- Storage Areas.

1.4. Monitoring and Enforcement – Safety personnel will monitor and enforce the training of employees. Supervisors and/or employees who refuse to adhere to training requirements shall be subject to disciplinary action.

1.5. Recordkeeping

A. The plant manager or his designee shall maintain all training records.

B. Training shall be documented by means of LEHIGH HANSON "Training Documentation Forms" and/or LEHIGH HANSON "Safety Meeting Forms" and a copy shall be placed in each employee's file. Training records shall be retained for a period of three years from the date of the training and shall include the following information:

- Employee's name.
- Date of training.
- Outline describing the training material.
- Signature of trainer documenting that training was provided.
- Signature of employee documenting that training was received.

2. STATUTORY REFERENCES

2.1. 29 CFR § 1910

2.2. 29 CFR § 1926



Training Documentation Form

Location: _____ Date: _____

Name of Person Conducting Training: _____

TRAINING SUBJECT(S):

CONTENTS OF TRAINING: The following information was communicated to each employee:

1. _____
2. _____
3. _____
4. _____
5. _____

HOW DID YOU VERIFY THAT EMPLOYEES UNDERSTOOD THE TRAINING?

NAME OF EMPLOYEE	SIGNATURE OF EMPLOYEE	JOB/DEPARTMENT
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		

Use multiple forms if needed.



Safety Meeting Form

Location: _____ Date: _____

Name of Person(s) Conducting Meeting: _____

MEETING TOPIC(S):

This form is a mandatory document of your attendance at LEHIGH HANSON safety meetings.

Since LEHIGH HANSON requires all employees to immediately report all work-related injuries to their supervisors, this form is verification that no such injury has occurred.

Your signature on this form indicates that:

- You have attended and understand the content of the safety meeting.
- You have not suffered a work-related injury that has not yet been reported.

If you have an injury that has not been reported, please report it to your supervisor now, before signing this form.

Failure to report a work-related injury may delay or even prevent you from receiving your legally entitled workers' compensation benefits.

If you need medical treatment even after regular working hours, you are required, where permitted by state law, to see a company designated medical provider.

EMPLOYEE SAFETY RECOMMENDATIONS:

[illegible]



NAME OF ATTENDEES	SIGNATURE OF ATTENDEES
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.
8.	8.
9.	9.
10.	10.
11.	11.
12.	12.
13.	13.
14.	14.
15.	15.
16.	16.
17.	17.
18.	18.
19.	19.
20.	20.
21.	21.
22.	22.
23.	23.
24.	24.
25.	25.
26.	26.
27.	27.
28.	28.
29.	29.
30.	30.



Continental Florida Materials Lehigh Hanson Production Training Summary

Employee: Position:

Training Task	Date of Completion	Date of Recertification	Employee Signature	Manager Signature
Basic Electrical Safety		Annual		
Blood Borne Pathogens		Annual		
Confined Spaces (PRCS)		Annual		
Emergency Response Plan		Annual		
Fire Protection		Annual		
Hazard Communication		Annual		
Lock Out / Tag Out		Annual		
Machine Guarding		Annual		
Personal Protective Equipment (PPE)		Annual		
Respiratory Protection		Annual		
Aerial Man-lift Safety		3 year		
Back Safety		Annual		
Compressed Gas Safety		Annual		
Cutting and Welding Safety		Annual		
Electrical Safety High/Low Voltage Training	N/A	Annual	N/A	N/A
Excavator Operation		3 year		
Earthmoving Equipment		3 year		
Fall Protection		Annual		
Front End Loader Operation		3 year		
General Hand Tools		Annual		
Ladder Safety		Annual		
Management Foundation I	N/A	N/A	N/A	N/A
Powered Industrial Trucks		3 year		
Rigging Safety		Annual		
Safety Indoctrination		N/A		
Sampling % H2O and Blaine Fineness Training		N/A		
Skid-steer (Bobcat) Operation		3 year		
Walking and Working Surfaces		Annual		
CPR		2 year		
Crane/Hoist Safety		Annual		
Facility Security Plan (FSP)		Annual		
First Aid		2 year		



Bloodborne Pathogens Policy OSHA Operations

Effective Date	<u>March 1, 2011</u>		
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Approval		Date	<u>02/18/11</u>
Approval		Date	<u>02/18/11</u>

BLOODBORNE PATHOGENS (OSHA Operations)

CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1. Purpose – To establish requirements and procedures to eliminate or control employees' occupational exposure to blood and certain other potentially infectious body fluids.

1.2. Definitions

- A. Blood – Human blood, human blood components, and products made from human blood.
- B. Bloodborne Pathogens – Pathogenic microorganisms that are present in human blood and can cause disease in humans. These pathogens include, but are not limited to, hepatitis B virus (HBV) and human immunodeficiency virus (HIV).
- C. Exposure Incident – A specific eye, mouth, other mucous membrane, non-intact skin, or parenteral contact with blood or other potentially infectious materials that results from the performance of an employee's duties.
- D. Occupational Exposure – Reasonably anticipated skin, eye, mucous membrane, or parenteral contact with blood or other potentially infectious materials that may result from the performance of an employee's duties.
- E. Other Potentially Infectious Materials (OPIM) – Any of the following human body fluids: semen, vaginal secretions, cerebrospinal fluid, synovial fluid, pleural fluid, pericardial fluid, peritoneal fluid, amniotic fluid, saliva in dental procedures, any body fluid that is visibly contaminated with blood, and all body fluids in situations where it is difficult or impossible to differentiate between body fluids and any unfixed tissue or organ (other than intact skin) from a human (living or dead).
- F. Parenteral – Piercing mucous membranes or the skin barrier through such events as needle sticks, human bites, cuts and abrasions.
- G. Regulated Waste – Liquid or semi-liquid blood or OPIM; contaminated items that would release blood or OPIM in a liquid or semi-liquid state if compressed; items that are caked with dried blood or OPIM and are capable of releasing these materials during handling; contaminated sharps; and pathological and microbiological wastes containing blood or OPIM.
- H. Source Individual – Any individual, living or dead, whose blood or OPIM may be a source of occupational exposure to an employee.
- I. Universal Precautions – An approach to infection control. According to the concept of Universal Precautions, all human blood and certain human body fluids are treated as if known to be infectious for HIV, HBV and other bloodborne pathogens.
- J. Work Practice Controls – Controls that reduce the likelihood of exposure by altering the manner in which a task is performed; such as the use of latex gloves when controlling bleeding.

BLOODBORNE PATHOGENS (OSHA Operations)

1.3. Employee Exposure Determination

- A. In the event of an accident or personal injury occurring on company property, those employees designated as first aid providers in the site-specific Emergency Action Plan, shall respond to the scene of the incident with first aid/trauma kits and render first aid if the victim can be reached safely. Employees designated as first aid providers could have occupational exposure to blood or OPIM as a result of their first aid/CPR duties, and therefore, will receive training pertaining to the potential hazards and precautions associated with exposure to blood or OPIM.
- B. Training pertaining to the potential hazards and precautions associated with exposure to blood or OPIM shall be included as part of the general first aid training that all employees receive.

1.4. Exposure Control Plan

- A. Universal Precautions
 - Universal Precautions shall be observed at all LEHIGH HANSON operations to prevent contact with blood or OPIM. Under circumstances in which differentiation between body fluid types is difficult or impossible, all body fluids shall be considered to be potentially infectious. Supervisors of employees who encounter occupational exposure to blood or OPIM are responsible for ensuring that employees observe Universal Precautions at all times.
- B. Work Practice Controls
 - Work Practice Controls shall be utilized at all LEHIGH HANSON operations as the primary method for eliminating or controlling occupational exposure to blood or OPIM. The plant manager is responsible for monitoring and maintaining Work Practice Controls.
- C. Personal Protective Equipment (PPE)
 - Appropriate personal protective equipment shall be used when there is a possibility of occupational exposure to blood or OPIM. Personal protective equipment will be considered "appropriate" only if it prohibits blood or OPIM from coming in contact with an employee's clothing, skin, eyes, mouth, or other mucous membranes under normal conditions of use and for the duration of time which the protective equipment will be used. Appropriate personal protective equipment includes safety glasses, goggles, face shields, latex gloves and CPR barrier shields. All garments that are penetrated by blood shall be removed immediately or as soon as possible. These garments will be handled with protective gloves and other protective personal protective equipment. These garments will either be laundered with soap and water, using appropriate personal protective equipment, or shall be properly disposed of in color-coded and labeled bags.
 - Appropriate personal protective equipment shall be maintained in each first aid kit located at the site.

BLOODBORNE PATHOGENS (OSHA Operations)

- Handwashing facilities, which include soap and running water and clean cloth/paper towels, shall be readily accessible to employees.
- LEHIGH HANSON shall provide appropriate personal protective equipment to employees at no cost to the employee. The plant manager shall be responsible for ensuring that employees wear appropriate personal protective equipment.
- All employees having administered first aid or having been exposed to OPIM shall remove and properly dispose of all contaminated disposable personal protective equipment, such as latex gloves, in color-coded and labeled bags. Other personal protective equipment, such as safety glasses, shall be washed completely with soap and running water. All employees shall thoroughly wash their hands and other contaminated skin with soap and running water, upon removal, disposal and/or cleaning of personal protective equipment.

D. Housekeeping

- LEHIGH HANSON will ensure that the work site is maintained in a clean and sanitary condition where blood or OPIM is concerned.
- Where possible, employees shall not eat, drink, apply cosmetics or lip balm, smoke, or handle contact lenses. Food and beverages shall not be kept in or adjacent to any area where blood or OPIM are present. Any contaminated work surface shall be decontaminated as soon as possible after any spill of blood or OPIM. Decontamination shall be accomplished utilizing a solution comprised of one part bleach and nine parts water.
- All pails, mops and other non-disposable items used in the decontamination process shall be thoroughly decontaminated after each use with a bleach solution comprised of one part bleach and nine parts water. All disposable items used in the decontamination process shall be placed in color-coded and labeled bags and disposed of by an authorized disposal company.

E. Sharps Containers

- LEHIGH HANSON shall provide sharps containers at all sites where employees, due to documented medical conditions such as diabetes, must use hypodermic needles and syringes. Contaminated sharps (hypodermic needles) shall be discarded immediately or as soon as feasible in these accessible sharps containers.
- It shall be the responsibility of employees to make this need known to the plant manager.
- Sharps containers shall be:
 - Closable.
 - Puncture resistant.
 - Leakproof on sides and bottom.
 - Labeled or color-coded.

BLOODBORNE PATHOGENS

(OSHA Operations)

- During use, sharps containers shall be:
 - Easily accessible to personnel and located as close as is feasible to the immediate area where sharps are used.
 - Maintained upright throughout use.
 - Replaced routinely and not be allowed to overfill.
- When replacing sharps containers, the containers shall be:
 - Closed immediately prior to replacement to prevent spillage or protrusion of contents during handling, storage, transport or shipping.
 - Placed in a secondary container if leakage is possible, with the secondary container being:
 - ✓ Closable.
 - ✓ Constructed to contain all contents and prevent leakage during handling, storage, transport or shipping.
 - ✓ Labeled or color-coded.

F. Labeling

- All materials contaminated with blood or OPIM, including latex gloves, shall be placed in color-coded and labeled bags and disposed of by an authorized regulated waste disposal company. The plant manager shall ensure that labels shall be affixed to all containers of regulated waste and OPIM.
- All labeling and color-coding shall meet the requirements of 29 CFR 1910.1030.

G. Training

- Employees designated as first aid providers will be given appropriate training in the following topics:
 - LEHIGH HANSON's Exposure Control Plan.
 - Epidemiology and symptomatology of bloodborne diseases.
 - Modes of transmission of bloodborne pathogens.
 - Procedures which might cause exposure to blood or OPIM; that is, the administering of first aid.
 - Control methods that will be used at the facility to control exposure to blood or OPIM.
 - Personal protective equipment available at the respective facility and who should be contacted concerning its use.
 - Information on the hepatitis B vaccine, including information on its efficacy, safety, method of administration, the benefits of being vaccinated, and that the vaccine and vaccination will be offered free of charge.
 - Information on the appropriate actions to take and persons to contact in an emergency involving blood or OPIM.
 - Explanation of the procedure to follow if an exposure incident occurs, including the method of reporting the incident.
 - Post exposure evaluation and follow-up.

BLOODBORNE PATHOGENS (OSHA Operations)

- Signs and biohazards labels used at the facility.
 - Opportunity to have questions answered by the person conducting the training.
 - Employees designated as first aid providers shall be instructed annually in the bloodborne pathogens training topics listed above.
 - Training pertaining to the potential hazards and precautions associated with exposure to blood or OPIM shall be included as part of the general first aid training that all employees receive with bloodborne pathogens being a periodic safety-training topic.
- H. Hepatitis B Vaccination
- LEHIGH HANSON shall make hepatitis B vaccine and vaccination series available to all employees who have occupational exposure.
 - The hepatitis B vaccine and vaccination series shall be made available to employees at no cost to the employee.
 - The hepatitis B vaccination series shall be made available to all employees with the potential for exposure after an employee has received training as outlined above and within 10 working days of initial assignment, unless the employee has previously received the complete hepatitis B vaccination series, antibody testing has revealed that the employee is immune, or the vaccine is contraindicated for medical reasons.
 - The vaccination series shall be performed by or under the supervision of a licensed physician or other licensed healthcare professional.
 - Any employee declining to accept the offered hepatitis B vaccination series shall be required to sign the "Hepatitis B Vaccine Declination Form" (included in this section).
 - The hepatitis B vaccination series shall be made available to any employee who initially declined the hepatitis B vaccination series, but who decides to accept the vaccination at a later date.
- I. Post-Exposure Evaluation and Follow-up
- When an employee incurs an exposure incident, it should be reported to the plant manager immediately. All employees who incur an exposure incident shall be offered a post-exposure evaluation by a health care professional and a follow-up in accordance with the OSHA standard. This follow-up will include the following:
 - Documentation of the route of exposure and the circumstances related to the incident.
 - The identification of the source individual and the status of the source individual, if possible.
 - The blood of the source individual will be tested (after consent is obtained) for the HIV/HBV infectivity.

BLOODBORNE PATHOGENS

(OSHA Operations)

- If the source individual is already known to be infected with the HIV or HBV, testing for that individual's known HIV/HBV status will not be repeated.
- Results of testing of the source individual will be made available to the exposed employee after the exposed employee is informed about the applicable laws and regulations concerning disclosure of the identity and infectivity of the source individual.
- The employee will be offered the option of having blood collected for testing of the employee's HIV/HBV serological status.
- The employee's blood sample will be preserved for up to 90 days to allow the employee to decide if the blood should be tested for HIV serological status; however, if the employee decides prior to that time that testing will or will not be conducted, then the appropriate action can be taken and the blood sample discarded.
- The employee will be given appropriate counseling concerning precautions to take during the period after the exposure incident and will also be given information on what potential illnesses to be alert for and to report any related experiences.
- The plant manager and the respective safety director have been designated to assure that the policy outlined here is effectively carried out as well as to maintain records related to this policy.

J. Interaction with Health Care Professionals

- A written opinion shall be obtained from a health care professional in the following instances:
 - When an employee is sent to obtain the Hepatitis B vaccine.
 - When an employee is sent to a health care professional following an exposure incident.
- LEHIGH HANSON shall obtain and provide the employee with a copy of the evaluating healthcare professional's written opinion within 15 days of the completion of the evaluation.
- Health care professionals shall be instructed to limit their written opinions for Hepatitis B vaccinations to the following:
 - Whether the Hepatitis B vaccine is indicated for the employee.
 - If the employee has received the vaccine.
- Health care professionals shall be instructed to limit their written opinions for post-exposure evaluations and follow-ups to the following:
 - That the employee has been informed of the results of the evaluation.
 - That the employee has been told about any medical conditions resulting from exposure to blood or OPIM.
 - That this written opinion, which is sent to the employer, is not to reference any personal medical information.

BLOODBORNE PATHOGENS (OSHA Operations)

K. Recordkeeping

- The plant manager shall maintain all records including a list of designated first aid providers, training records and medical records.
- A list of designated first aid providers shall be maintained as part of the "Emergency Action Plan" which is included in the Emergency Action Plan section of the manual. A list of designated first aid providers and their responsible work area(s) shall be maintained on the form entitled "Bloodborne Pathogens Exposure Determination" (included in this section).
- Training shall be documented by means of LEHIGH HANSON "Training Documentation Forms" and/or LEHIGH HANSON "Safety Meeting Forms" and a copy shall be placed in each employee's file (see Training section of manual). Training records shall be retained for a period of three years from the date of the training and shall include the following information:
 - Employee's name.
 - Date of training.
 - Outline describing the training material.
 - Signature of trainer documenting that training was provided.
 - Signature of employee documenting that training was received.
- Medical records, which result due to an exposure incident, shall not be disclosed without an employee's written consent. These records shall be maintained for at least the duration of employment plus 30 years. The records shall include:
 - The name and Social Security number of the employee.
 - Copy of the employee's HBV vaccination status, including the dates of vaccination and ability to receive vaccination.
 - Copy of all results of examination, medical testing, and follow-up procedures.
 - Confidential copy of the health care professional's opinion.

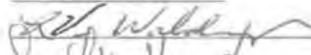
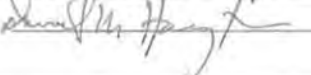
2. STATUTORY REFERENCES

2.1. 29 CFR § 1910.1030 – Bloodborne Pathogens

2.2. 29 CFR § 1910.1030, Appendix. A – Hepatitis B Vaccine Declination Form



Hearing Protection Policy OSHA Operations

Effective Date	<u>March 1, 2011</u>		
Revision Date	<u></u>		
Approval	<u></u>	Date	<u>02/18/11</u>
Approval	<u></u>	Date	<u>02/18/11</u>

HEARING PROTECTION (OSHA Operations)

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1. Purpose – To establish requirements and procedures to reduce or protect employees against the overexposure to noise.

1.2. Definitions

- A. Action level (AL) - An 8-hour time-weighted average sound level (TWA_8) of 85 dBA, or equivalently a dose of 50%, integrating all sound levels from 80 dBA to at least 130 dBA.
- B. Audiogram – A chart, graph or table resulting from an audiometric test showing an individual's hearing threshold levels as a function of frequency.
- C. PEL – Permissible Exposure Level – Defined in the chart below.
- D. Standard Threshold Shift – A change in hearing threshold relative to the baseline audiogram of an average of 10 dB or more at 2000, 3000, and 4000 Hz in either ear.
- E. TWA (Time-Weighted Average) – That sound level, which if constant over an eight-hour exposure, would result in the same noise dose as is measured. The sound level at which, if constant over an eight-hour exposure, injury can result.

1.3. Hazard Assessment and Determination of Noise Exposure – The workplace shall be assessed to determine if permissible noise exposures are exceeded and to define those areas where permissible noise exposures are exceeded.

- A. Hazard assessments shall be conducted by the plant manager or his designee, with the assistance of safety personnel. Noise meters and dosimeters shall be used to measure sound levels.
 - Hazard assessments shall be conducted whenever a change in production, process, equipment or controls increases noise exposure to the extent that additional employees may be exposed at or above the action level.
 - Hazard assessments shall be conducted whenever a change in production, process, equipment or controls increases noise exposure to the extent that the hearing protection currently being used by employees may not provide sufficient protection against overexposure to permissible noise levels.
- B. Permissible noise exposures shall be defined as:

Duration Per Day, hours of exposure	Sound Level dBA, slow response
8	90
6	92

HEARING PROTECTION (OSHA Operations)

Duration Per Day, hours of exposure	Sound Level dBA, slow response
4	95
3	97
2	100
12	102
1	105
2	110
3 or less	115

- C. To ensure a continuing and effective program, noise exposure will be routinely monitored using dosimeters. This monitoring shall be repeated whenever there is a change in the production process, equipment or controls that increase noise exposures.
 - D. Monitoring shall also be conducted in areas where employee exposure may equal or exceed an eight-hour TWA of 85 dBA.
 - E. Noise exposure computations shall be completed in accordance with 29 CFR § 1910.95 Appendix A.
- 1.4. Noise Exposure (Engineering Controls)** – Excessive noise from equipment will first be reduced as much as possible through engineering controls. Examples of engineering controls are:
- A. Improving muffler type and location.
 - B. Enclosing equipment cabs.
 - C. Enclosing equipment operator stations.
 - D. Installing sound insulating materials.
- 1.5. Noise Exposure (Administrative Controls)** – When practical, employees shall be kept out of areas where noise is likely to be in excess of 85 dBA, or employees will be rotated in and out of the areas during their shift.
- 1.6. Hearing Protection** – Operators of equipment with noise levels more than 85 dBA, that cannot be reduced to below the action level, will be supplied with hearing protection.
- A. Use of hearing protection shall be mandatory when:
 - Operating equipment which emits noise greater than 85 dBA.

HEARING PROTECTION (OSHA Operations)

- Operating equipment which is posted as requiring the use of hearing protection (regardless of the length of exposure).
- Working in posted areas (regardless of the length of exposure).
- Prior to an accurate evaluation of the exposure where initial tests indicated that exposures of 85 dBA are likely to be exceeded.

B. Appropriate hearing protection will be supplied by the company, where required.

- Appropriate hearing protection is hearing protection that effectively attenuates noise to a level that reduces employee exposure to a TWA of 85 dBA. The effectiveness of hearing protection shall be estimated in accordance with 29 CFR § 1910.95 Appendix B.

1.7. Assessment

A. General guidelines shall be followed when assessing hearing hazards that exist in the workplace and when matching hearing protection equipment to the particular hazards found. It shall be the responsibility of the plant manager, with the assistance of the Safety Department, to select the appropriate hearing protection equipment based on the particular hazards found during the assessment of a site.

B. The plant manager or his designee shall verify that the required workplace hazard assessment has been performed through a written certification that identifies:

- The workplace evaluated.
- The name of the person certifying that the evaluation has been performed.
- The date(s) of the hazard assessment.
- The document as a certification of hazard assessment.
 - Refer to the form entitled "Workplace Hazard Assessment Certification Form," included in this section.

C. The following procedure should be followed in assessing workplace hazards:

- Conduct a walk-through survey of all work areas, giving consideration to noise levels.
- During the walk-through survey, observations shall be made as to the sources of noise.
- During the walk-through survey monitoring of the workplace shall be conducted to determine if permissible noise exposures are exceeded.
- In addition to the walk-through, all hearing loss records should be reviewed to help identify possible problem areas.

D. Upon completion of the walk-through, monitoring and review of records, all information should be organized and reviewed in order to best determine all possible hazards in the workplace and to best select hearing protection equipment to protect against those hazards.

HEARING PROTECTION (OSHA Operations)

- E. Required hearing protection equipment selection can be documented on the form entitled, "Job Specific Personal Protective Equipment Requirements," included in the Personal Protection Equipment section of this manual.

1.8. Hearing Conservation Program

- A. A hearing conservation program shall be administered whenever employee noise exposures equal or exceed an eight-hour TWA of 85 dBA. For purposes of the hearing conservation program, employee noise exposures shall be computed in accordance with 29 CFR § 1910.95 Appendix A and Table G-16a, and without regard to any attenuation provided by the use of personal protective equipment.
 - When information indicates that any employee's exposure may equal or exceed an eight-hour TWA of 85 dBA, a monitoring program shall be implemented
 - All monitoring shall be conducted in accordance with 29 CFR § 1910.95.
 - Each employee exposed at or above an eight-hour TWA of 85 dBA shall be notified of the results of the monitoring.
 - Monitoring shall be repeated whenever a change in production, process, equipment or controls increases noise exposures to the extent that:
 - Additional employees may be exposed at or above an eight-hour TWA of 85 dBA.
 - The attenuation provided by hearing protectors currently being used by employees may be rendered inadequate to effectively attenuate sound levels below that necessary to reduce employee exposure to a eight-hour TWA of 90 dBA for all employees and to a eight-hour TWA of 85 dBA for employees with a standard threshold shift.

1.9. Audiometric Testing

- A. Audiometric testing shall be conducted annually for all employees at no cost to the employee. Any employee electing to not participate in audiometric testing shall complete and sign the form entitled "Employee Refusal of Audiogram Certificate" (included in this section).
- B. A baseline audiometric test shall be conducted for all new hires at the time of hire. This baseline test shall be used to determine any future hearing loss.
- C. Audiometric tests shall be conducted in accordance with 29 CFR § 1910.95 and records shall include the following information:
 - Name of employee.
 - Job description of employee.
 - Date of audiogram.
 - Name of person (firm) conducting audiogram.

HEARING PROTECTION (OSHA Operations)

- Date of last audiometer's calibration.
- Employee's most recent noise exposure assessment, if any.
- D. If an annual audiogram indicates that an employee has suffered a standard threshold shift, a retest shall be obtained within 30 days and the results of the retest shall be considered as the annual audiogram.
- E. If a standard threshold shift occurs, the affected employee shall be informed of this fact in writing, within 21 days of the determination.
 - In determining whether a standard threshold shift has occurred, allowance may be made for the contribution of aging (presbycusis) to the change in hearing level. These allowances shall be made by correcting the annual audiogram in accordance with the procedure described in 29 CFR § 1910.95 Appendix F.
- F. If it is determined that the standard threshold shift is work related or aggravated by occupational noise exposure, the following steps shall be taken:
 - The employee shall be refitted and retrained in the use of hearing protectors and provided with hearing protectors offering greater attenuation if necessary.
 - The employee shall be referred for a clinical audiological evaluation or an otological examination, as appropriate, if additional testing is necessary and/or if it is suspected that a medical pathology of the ear is caused or aggravated by the wearing of hearing protectors.
 - The employee shall be informed of the need for an otological examination if a medical pathology of the ear that is unrelated to the use of hearing protectors is suspected.

1.10. Hearing Protection Policy and Procedures

- A. All site employees will be issued hearing protection at their safety orientation.
- B. All employees are required to have their hearing protection immediately available while on site.
- C. Hearing protection is available at the job-site offices or from supervisors. Employees shall be given the opportunity to select their hearing protectors from a variety of appropriate hearing protectors supplied by the company.
- D. If the wearing of hearing protection is troublesome, hearing protection should be worn until such time as a supervisor has been contacted and the supervisor has provided an alternative means of protection.
- E. If the necessity of wearing hearing protection is in doubt, hearing protection should be worn until such time as an accurate evaluation of the daily exposure indicates that exposures of 85 dBA will not be exceeded.

HEARING PROTECTION (OSHA Operations)

1.11. Training

- A. Employees will be instructed in the proper use of and the importance of hearing protection. This training shall include:
 - The effects of noise on hearing.
 - The purpose of hearing protectors.
 - The advantages, disadvantages and attenuation of various types.
 - Instructions on selection, fitting, use and care.
 - The purpose of audiometric testing.
 - An explanation of the test procedures.
- B. This training shall include a process by which each employee shall demonstrate an understanding of the training provided and demonstrate the ability to use PPE properly, before an employee shall be allowed to perform work requiring the use of PPE.
 - In cases where management does not believe that an employee has adequate understanding and ability, the employee shall receive additional training.
- C. Noise exposure and the topics listed above will be a periodic safety-training topic on an annual basis.

1.12. Posting

- A. Equipment for which operators are required to wear hearing protection will have a sign posted which will be visible from the operating position. (See Example 1.)
- B. Where practical, locations where the noise exposure is likely to exceed 85 dBA will be posted. (See Example 2.)
- C. Where practical, signage will be posted at locations where maximum exposure time in the area is limited. (See Example 3.)
- D. At locations where sound levels exceed 85 dBA, copies of 1910.95 Occupational Noise Exposure shall be made available to affected employees or their representatives and shall also be posted in the workplace per 29 CFR § 1910.95(l)(1).

- 1.13. Monitoring and Enforcement** – Safety personnel and/or supervisors will monitor and enforce the wearing of hearing protection, will post signs on noisy equipment and noisy areas, and will use hand-held noise meters to make spot noise level checks. Employees who refuse to wear hearing protection will be subject to disciplinary action.

1.14. Recordkeeping

- A. The plant manager or his designee shall maintain all records including assessment, inspection, exposure measurements, audiometric test records, and training records. (In some instances, medical records are maintained centrally within a region.)

HEARING PROTECTION (OSHA Operations)

- Noise exposure measurement records shall be retained for two years.
- Audiometric test records shall be retained for the duration of the affected employee's employment.
- B. Training shall be documented by means of LEHIGH HANSON "Training Documentation Forms" and/or LEHIGH HANSON "Safety Meeting Forms" and a copy shall be placed in each employee's file (see Training section of this manual). Training records shall be retained for a period of three years from the date of the training and shall include the following information:
 - Employee's name.
 - Date of training.
 - Outline describing the training material.
 - Signature of trainer documenting that training was provided.
 - Signature of employee documenting that training was received.

2. STATUTORY REFERENCES

- 2.1. 29 CFR § 1910.95 – Occupational noise exposure.

HEARING PROTECTION
(OSHA Operations)

**HEARING
PROTECTION
REQUIRED WHEN
OPERATING THIS
EQUIPMENT**

EXAMPLE 1

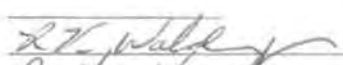

HEARING PROTECTION
(OSHA Operations)

**HEARING
PROTECTION
REQUIRED WHEN
ENTERING THIS
AREA**

EXAMPLE 2



Seat Belt Policy OSHA Operations

Effective Date	<u>March 1, 2011</u>		
Revision Date			
Approval		Date	<u>02/18/11</u>
Approval		Date	<u>02/18/11</u>

SEAT BELTS (OSHA Operations)

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

- 1.1. Purpose** – To establish the requirements regarding the mandatory use of seat belts.
- 1.2. Requirements** – This policy applies to all employees of LEHIGH HANSON and to all persons who operate vehicles on LEHIGH HANSON property. Visitors and contractors shall provide and wear seat belts while on LEHIGH HANSON property. All persons transported in vehicles containing rear seat belts shall wear the provided equipment.
- A. The wearing of seat belts is a mandatory requirement in the following circumstances:
 - While operating seat belt equipped vehicles that are owned, leased or rented by LEHIGH HANSON.
 - While traveling in a vehicle on property that is owned by LEHIGH HANSON.
 - While performing business on behalf of LEHIGH HANSON.
 - B. All licensed over-the-road vehicles shall be equipped with seat belts that meet Federal Motor Vehicle Safety Standards. Approval stamps that exhibit compliance with this standard are:
 - FMVSS.
 - FMV-209.
 - FMV-302.
 - C. All off-road vehicles or machines described in 29 CFR § 1926.1000, including off-road trucks, shall be equipped with seat belts that comply with the requirements of SAE J386.
 - D. Applicability of "point of attachment" tethers shall be confirmed with the equipment manufacturer and documented in each respective equipment file. If required, tethers shall be installed and maintained in accordance with OEM standards.
 - E. Grader operators in the standing position shall wear a safety harness and line while the machine is in motion. When seated, grader operators shall wear seat belts that comply with the requirements of SAE J386.
- 1.3. Maintenance** – Each vehicle/equipment operator shall be responsible for inspecting and assuring that each provided personal restraint system (seat belts and tethers) is maintained, easily accessible and in good working condition. Worn or damaged belts shall be replaced with belts meeting the requirements of SAE J386. Replacement belts shall meet OEM standards. Vehicles/equipment with damaged belts shall be tagged and removed from service until the belts are replaced in accordance with this policy.
- 1.4. Training** – Employees shall be trained in the proper use of seat belts and the penalties associated with noncompliance with this policy.
- 1.5. Monitoring and Enforcement** – Plant managers, safety personnel and/or supervisors will monitor and enforce this policy. Employees who refuse to adhere to the requirements of this policy shall be subject to disciplinary action.

SEAT BELTS (OSHA Operations)

1.6. Recordkeeping

- A. The plant manager or his designee shall maintain all training records.
- B. Training shall be documented by means of LEHIGH HANSON "Training Documentation Forms" and/or LEHIGH HANSON "Safety Meeting Forms" and a copy shall be placed in each employee's file (see the Training section of this manual). Training records shall be retained for a period of three years from the date of the training and shall include the following information:
 - Employee's name.
 - Date of training.
 - Outline describing the training material.
 - Signature of trainer documenting that training was provided.
 - Signature of employee documenting that training was received.

2. STATUTORY REFERENCES

- 2.1. 29 CFR § 1926.602 – Material handling equipment.
- 2.2. 29 CFR § 1926.1000 – Rollover protective structures (ROPS) for material handling equipment.
- 2.3. 30 CFR § 56.14130 – Rollover protection structures (ROPS) and seat belts (for surface equipment).
- 2.4. 30 CFR § 56.14131 – Seat belts for (surface) haulage trucks.



Confined Space Policy OSHA Operations

Effective Date	<u>March 1, 2011</u>		
Revision Date	<u></u>		
Approval	<u><i>Ken Wall</i></u>	Date	<u>02/18/11</u>
Approval	<u><i>David M. Hargreaves</i></u>	Date	<u>02/18/11</u>

CONFINED SPACE ENTRY **(OSHA Operations)**

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1. Purpose – To establish requirements, procedures and conditions with regards to identification, posting and entry of confined spaces in order to eliminate or control employees' exposure to hazardous conditions.

1.2. Definitions

- A. Alternate Entry Procedure – Entry into a permit required confined space (PRCS) under other than PRCS procedures due to the ability to eliminate physical hazards without making entry into the space and the ability to maintain a safe atmosphere by use of forced air ventilation alone.
- B. Confined Space – A space that:
 - Is large enough and so configured that an employee can bodily enter and perform assigned work.
 - Has limited or restricted means for entry or exit.
 - Is not designed for continuous employee occupancy.
- C. Entry – The action by which a person passes through an opening into the confined space. Entry includes ensuing work activities in that space and is considered to have occurred as soon as any part of the entrant's body breaks the plane of the opening of the space.
- D. Hazardous Atmosphere – An atmosphere that may expose employees to the risk of death, incapacitation, impairment of ability to self-rescue (unaided escape for the space), injury or acute illness from one or more of the following causes:
 - Flammable gas, vapor or mist in excess of ten (10) percent of its lower explosive limit (LEL) or lower flammable limit (LFL).
 - Airborne combustible dust at a concentration that meets or exceeds its LEL/LFL. This concentration may be approximated as a condition in which the dust obscures vision at a distance of five feet or less.
 - Ambient oxygen concentration below nineteen and one-half percent (19.5%) or above twenty-three and one-half percent (23.5%).
 - Atmospheric concentration of any substance that is capable of causing death, incapacitation, impairment of ability to self-rescue, injury or acute illness due to its health effects.
 - Any other atmospheric condition that is immediately dangerous to life or health.
- E. Immediately Dangerous to Life or Health (IDLH). – Any condition that poses an immediate or delayed threat to life that would cause irreversible adverse health effects; or that would interfere with an individual's ability to escape unaided from a confined space.
- F. Non-Permit Confined Space – A confined space that does not contain, or with the respect to atmospheric hazards, have the potential to contain any hazard capable of causing death or serious physical harm.

CONFINED SPACE ENTRY (OSHA Operations)

- G. Oxygen Deficient Atmosphere – An atmosphere containing less than 19.5% oxygen by volume.
- H. Oxygen Enriched Atmosphere – An atmosphere containing more than 23.5% oxygen by volume.
- I. Permit-Required Confined Space (PRCS) – A confined space that has one or more of the following characteristics:
 - Contains or has the potential to contain a hazardous atmosphere.
 - Contains a material that has the potential for engulfing an entrant.
 - Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls or by a floor, which slopes downward and tapers to a smaller cross section.
 - Contains any other recognized serious safety or health hazard.
- J. Reclassification of PRCS – A PRCS with one or more of the physical hazards in section 1.2.I, but does not contain, or have the potential contain, a hazardous atmosphere, and the physical hazards can be eliminated without entry into the PRCS.

1.3. Requirements

- A. Workspace Evaluation
 - Using the "Confined Space Entry and Reclassification Decision Flow Chart" (included in this section), the Plant Manager and Safety Department shall evaluate the workplace annually to identify all confined spaces that;
 - Meets the definition of Section 1.2.B and;
 - Meets the definition of Section 1.2.I.
 - PRCS' will be identified in this section on the form entitled "Confined Space Identification Form" included in this section.
 - Employees will be informed of all spaces meeting the above criteria by means of training, information sharing and by means of posted danger signs. All signs shall read: **DANGER – Permit-Required Confined Space – Do Not Enter.** (Example included in this section.)
 - Workplace evaluation and reclassification to Non-Permit Required Confined Spaces (NPRCS) shall be completed when there are changes in the use or configuration of the NPRCS that might increase or change the hazards to entrants.
 - Workplace evaluation and an annual reclassification, where applicable, of confined spaces shall be completed within 12 months of the previous annual evaluation. To ensure compliance it is suggested that the evaluation be completed within 11 months of the previous annual evaluation.
 - If changes resulting from an evaluation of confined space require reclassification of the space to a PRCS, employees shall be informed that the space meets the permit-required criteria by means of training, information sharing and posting.

CONFINED SPACE ENTRY (OSHA Operations)

- Employees shall not enter confined spaces that have been evaluated and determined to be PRCS; that is, they meet the definition of section 1.2.B and 1.2.I., unless the Plant Manager or Safety Department approves the entry upon documented elimination of the hazards present and reclassification is completed or entry via Alternate Entry Procedures is applicable.
 - Acceptable hazard elimination methods include, but are not limited to:
 - Elimination of atmospheric hazards and maintaining a safe atmosphere by use of forced air ventilation alone without entry into the space.
 - Removal of material that has the potential for engulfing and lockout/tagout of equipment which control the supply and discharge of material without entry into the space.
 - Stabilization of material that has the potential for engulfing and lockout/tagout of equipment which control the supply and discharge of the material without entry into the space.
 - Documented hazard elimination means that upon completion of hazard elimination procedures and completion of the original hazard evaluation procedure, no hazards have been found to exist, or have the potential to exist, in the confined space. The Plant Manager, his designee or Safety Department shall document these findings before entrance shall be permitted.
 - The form entitled "Confined Space Alternate Procedure Entry Permit" (included in this section) shall be used to document the elimination of hazards present, including a known or potential hazardous atmosphere, in a PRCS and the reclassification of the confined space to NPRCS under Alternate Entry Procedures.
 - The form entitled "Confined Space Reclassification Form" (included in this section) shall be used to document the elimination of physical hazards (no known or potential hazardous atmosphere) prior to entry into the PRCS and the reclassification of the space to NPRCS.
- B. Testing and Elimination of Hazardous Atmospheres
- Persons conducting evaluation tests shall be trained and competent in the use and calibration of test instruments and in the documentation of calibration and test results. Test instrument alarms shall be set to alarm at the appropriate action level to signal the evacuation warning.
 - Test instruments shall be calibrated as suggested by the instrument manufacturer. The calibration shall be documented on the form entitled "Calibration Record", included in this section. The person completing the form shall initial and date the form upon completion of the test. Calibration records shall be reviewed prior to instrument use to ensure compliance. The most recent calibration record must be available for inspection.
 - Without entering the confined space, the existing atmosphere must be tested for the following, in the order listed, be within the **Acceptable Limits** specified and recorded:

CONFINED SPACE ENTRY (OSHA Operations)

<u>Test for:</u>	<u>Acceptable Limits:</u>
Oxygen Content	19.5% - 23.5%
Lower Explosive Limit (LEL)	<10%
Carbon Monoxide	<35 PPM
Hydrogen Sulfide	<10 PPM
Other atmospheric hazard	OSHA acceptable limits

- If the atmosphere is not within above noted acceptable limits and the hazards cannot be eliminated and maintained within acceptable limits, the confined space shall be classified as a PRCS and shall not be entered. The space shall be identified per 1.3 A., Workplace Evaluation.
- If the atmosphere is not within **Acceptable Limits**, but the atmospheric hazard can be eliminated through positive pressure ventilation, then entry via Alternate Entry Procedures can be completed.
- During ventilation, the atmosphere must be tested without entry into the confined space. Upon determining the atmosphere to be acceptable and that all other hazards have been eliminated, then entry can be made. The pre-entry, post-ventilation atmospheric reading shall be recorded on the Alternate Entry Procedure Form.
- Upon entering the confined space, the atmosphere shall preferable be tested continuously with an alarmed system. If not continuous then the atmosphere in the space shall be tested at least every 15 minutes and the results recorded not to exceed 2-hour intervals.
- During the time personnel are in the confined space, should atmospheric conditions fall outside **Acceptable Limits**, all employees shall **IMMEDIATELY** evacuate the space. The space shall then be evaluated to determine the cause and proper measures taken to eliminate the cause before personnel shall be allowed to re-enter the space. Documentation of procedures taken to correct the hazard shall be documented.
- Proper positive pressure ventilation from a clean, 100 percent outside source of the confined space must be maintained for the duration of the entry. Additional covers, lids, hatches, manhole covers etc should be removed to aid in cross circulation.
- When applicable, portable blowers/ventilators shall be set up to exhaust fumes, vapors, smoke, and mists which may be generated by welding, painting, cutting, or other such activities within the confined space.
- Pumps, generators, gas powered ventilation systems, mobile equipment and other equipment that has the potential to generate carbon monoxide, shall be located a sufficient distance from the confined space to prevent introducing a hazardous atmosphere into the space. The equipment should be located downgrade and downwind as practical.

CONFINED SPACE ENTRY (OSHA Operations)

C. Control of Engulfment Hazards

- Persons can be engulfed if bridged material collapses or if material sloughs off the side of storage bins, hoppers or silos. Material feeding onto belts or from/onto other discharge points can bury or draw victims into augers, gates or holes causing an engulfment incident.
- Work on or above materials in these structures shall be performed from safe access platforms with handrail or other competent person approved fall protection system. Work in areas that have an engulfment hazard shall not begin until material that presents the hazard has been removed, belts, gates, augers, etc has been locked and tagged out by the entrant. Effective methods shall be used to prevent loaders and trucks from dumping or loading the space. Refer to Lockout Tagout section of this manual.
- Material that presents a potential for caving; sliding or sloughing shall be scrapped or barred down from the top and sides before entry is made.
- Work shall not be performed in confined spaces until all precautions have been taken to prevent the flow of materials that can potentially cause an engulfment. Precautionary measures taken shall be recorded on the form entitled "Alternate Procedure Confined Space Entry Form" included in this section.

D. Confined Space Entry

- Upon entry approval by Entry Supervisor, all applicable safety practices outlined by OSHA regulation and/or this safety advisory must be followed from such time as the employee enters the confined space, until such time as the employee exits the confined space.
- Employees shall be allowed to enter all confined spaces that have been evaluated and reclassified to be non-permit spaces, that is, it has been determined that no potential atmospheric exist and that all physical hazards can be removed or made safe without entry into the confined space or if a real or potential atmospheric hazard exist the space is made safe and entry is made using the Alternate Entry Procedures. All applicable safety practices outlined by OSHA regulations and/or this safety advisory must be followed from such time as the employee enters the confined space, until such time as the employee exits the confined space.

1.4 Confined Space Procedures

- A. Safety harnesses with shock absorbing lanyard or a harness and lifeline shall be worn when persons enter a confined space that requires fall protection, such as bins, tanks, silos, etc. A competent person shall approve fall protection setup and equipment. The attendant shall tend the lifeline. Refer to Fall Protection section of this manual.
- B. All employee(s) given the responsibility of tending fall protection systems and lifeline(s) shall have the capability of maintaining communications with the employee(s) that enter a confined space from the time of entry until the time of exit.
- C. All required personal protective equipment shall be used when entering a confined space. Refer to Hearing Protection, Personal Protective Equipment and Respiratory Protection sections of this manual.

CONFINED SPACE ENTRY (OSHA Operations)

- D. A barricade or barrier shall be erected at the opening of all confined spaces being entered to prohibit unauthorized persons from entering the space.
- E. Before entering a confined space, the supply and discharge of materials shall be stopped, and all equipment which control the supply and discharge of material or which could create a hazard shall be locked and tagged out by the employee(s) entering the confined space. Refer to Lockout Tagout section of this manual.
- F. The attendant to the entrant(s) shall have knowledge and be capable of summoning rescue and emergency medical assistance in the event of an emergency.

1.5 Training

- A. Employees will be instructed in the recognition of confined spaces; the recognition of potential confined space hazards; confined space entry and exit procedures; required safety equipment, including respirators, rescue retrieval systems, and atmospheric monitoring, as required; summoning rescue, non-entry rescue procedures; first aid; hazard control measures such as lockout/tagout, ventilation and access control; and proper work practices including entry documentation.
- B. Confined space entry and the topics listed above will be a periodic safety-training topic.

1.6 Monitoring and Enforcement – The plant manager shall be responsible for implementation and enforcement of this policy. Failure to follow established confined space entry procedures or failure to use proper personal protective equipment will result in loss of safety incentive bonus and/or progressive disciplinary action up to and including termination of employment.

1.7 Independent Contractors

- A. Independent contractors shall be contracted to perform work that requires the entry into a permit-required space, which cannot be reclassified to a non-permit space or entered through the Alternate Entry Procedures.
- B. When contracting with an outside contractor, who will be required to enter a permit-required space, the Plant Manager of the site shall:
 - Inform the contractor that the workplace contains permit-required confined spaces and that entry into these spaces is allowed only through compliance with OSHA permit required confined space standards.
 - Provide the contractor with information concerning the permit-required spaces, including the hazards identified and any past experience with the space that makes it a permit-required space.
 - Inform the contractor of any precautions or procedures that have been implemented for the protection of employees in or near any and all permit-required spaces where the contractor's personnel will be working.
 - Coordinate entry operations with the contractor, when both LEHIGH HANSON and contractor personnel will be working near the permit-required confined space.

CONFINED SPACE ENTRY

(OSHA Operations)

- At the completion of the job requiring entry into the permit required spaces, debrief the contractor regarding the permit space program and any hazards they confronted or created during the entry operations.

1.8 Recordkeeping

- A. The Plant Manager or his designee shall maintain all records including inspection and training records.
- B. Training shall be documented by means of LEHIGH HANSON "Training Documentation Forms", LEHIGH HANSON "Safety Meeting Forms" and/or Certificates of Training provided by outside training sources and a copy shall be placed in each employee's file (see Training section of this manual). Training records shall be retained for a period of three years from the date of the training and shall include the following information:
 - Employee's name.
 - Date of training.
 - Outline describing the training material.
 - Signature of trainer documenting that training was provided.
 - Signature of the employee documenting that training was received.

2. STATUTORY REFERENCES

- 2.1 29 CFR 1910.146 – Permit-required confined spaces.
- 2.2 29 CFR 1910.146 Appendix A – Permit-required confined space decision flow chart.
- 2.3 29 CFR 1910.146 Appendix B – Procedures for atmospheric testing.
- 2.4 29 CFR 1910.146 Appendix C – Examples of permit-required confined space programs.
- 2.5 29 CFR 1910.146 Appendix D – Confined space pre-entry check list.
- 2.6 29 CFR 1910.146 Appendix E – Sewer system entry.
- 2.7 29 CFR 1910.146 Appendix F- Permit-required confined

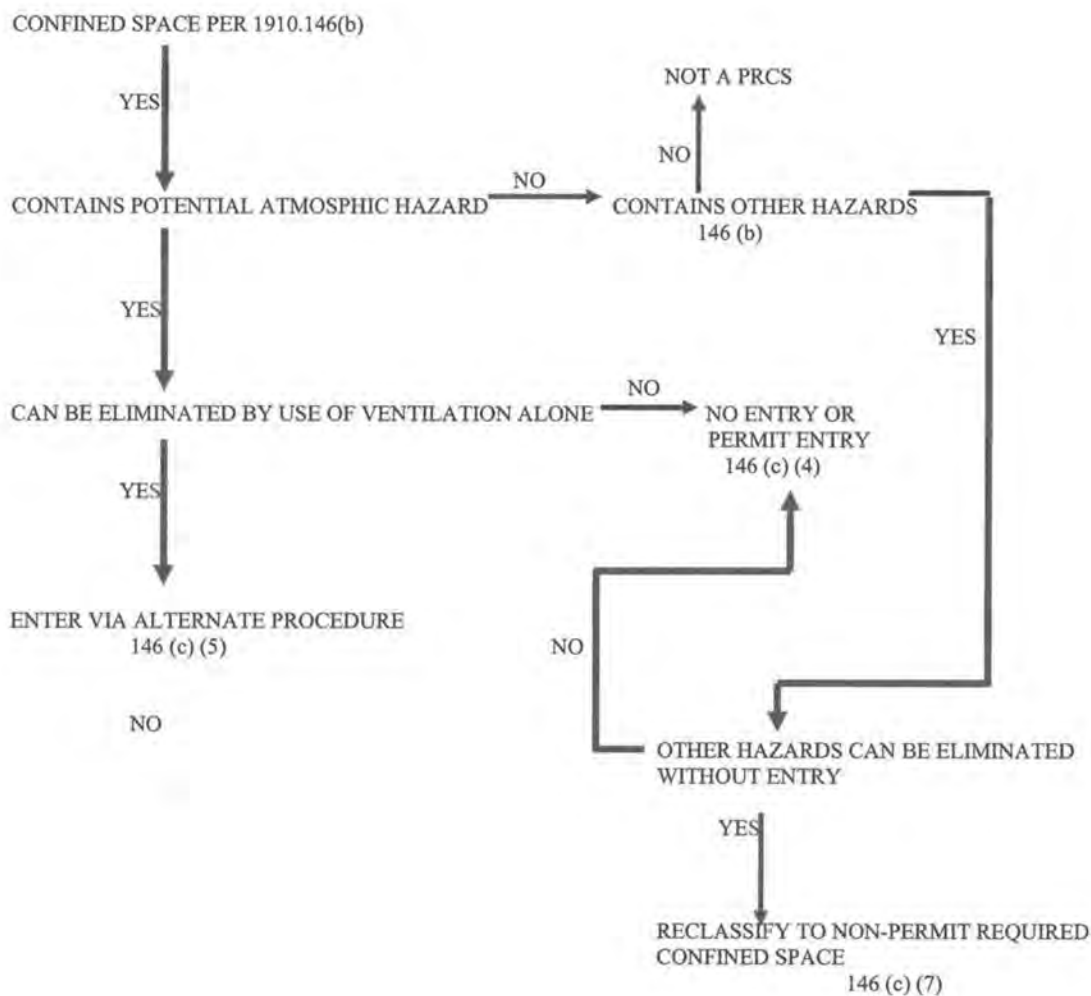
CONFINED SPACE ENTRY
(OSHA Operations)

DANGER
PERMIT-REQUIRED
CONFINED SPACE
DO NOT ENTER

EXAMPLE 1

CONFINED SPACE ENTRY (OSHA Operations)

CONFINED SPACE ENTRY and RECLASSIFICATION DECISION FLOW CHART





Hot Work Policy OSHA Operations

Effective Date	March 1, 2011		
Revision Date			
Approval		Date	02/18/11
Approval		Date	02/18/11

HOT WORK **(OSHA Operations)**

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1. Purpose – To establish requirements, procedures and conditions with regards to the safety and health of all employees conducting hot work and for the protection of property exposed to the hot work.

1.2. Definitions

- A. Combustible Liquid – Any liquid having a flashpoint at or above 100 F.
- B. Combustible Material – Any solid material that is easily ignited such as wood, paper, dry vegetation, etc. and that will freely support combustion once ignited.
- C. Fire Watch – The person assigned to watch for unsafe operations of the hot work task and to inspect and watch for fires resulting from the hot work.
- D. Flame Cutting – Cutting of material using a flame such as oxygen/acetylene torch cutting.
- E. Flammable Liquid – A liquid having a flash point below 100 F.
- F. Grinding – Using an abrasive tool, powered or manual, to smooth or gauge another material or product.
- G. High hazard area – Areas that have or have the potential to contain flammable liquids or vapors, combustible materials or other easily ignitable materials. High hazard areas require a Hot Work Permit to be issued.
- H. Hot work – Hot work is defined as any work that will generate sufficient heat to ignite combustible and/or flammable materials.
- I. Hot work permit – A form that is used as a checklist to ensure hazards associated with the hot work have been identified, removed or guarded and that the hot work is authorized by management.
- J. Lower Explosive Limit – The point at which the minimal amount of flammable vapors mixes with oxygen to form an explosive or flammable atmosphere.
- K. Material Safety Data Sheet – An information sheet provided by the product manufacturer to inform the employee of the hazards associated with the product. Flash points and Lower Explosive Limits can be found on the MSDS.

1.3. Requirements

- A. These requirements cover all hot works as defined throughout this section. Management is responsible for ensuring that employees are notified and trained accordingly. The Plant Manager must ensure that precautions have been taken

HOT WORK **(OSHA Operations)**

to prevent fires or explosions or any other incident that may result in damage to property or injury to employees as a result of the hot work.

- B. The following activities are examples of hot work (not all inclusive):
 - Welding – All types including electric and gas.
 - Flame or plasma cutting.
 - Abrasive grinding.
 - Use of portable heaters or steamers.
 - Use of electrical tools/equipment (that are not explosion proof or intrinsically safe) in explosion hazard areas.
 - Sandblasting operations (static charges).
 - Open burning of wood, trash, etc.
- C. Fire Hazards. If the object that hot work is to be performed on cannot readily be moved, all moveable fire hazards in the vicinity shall be taken out of the hot work area and stored in a safe place.
- D. Guards. If the hot work object cannot be moved and if all the fire hazards cannot be removed, then a hot work permit shall be completed and issued, and guards shall be used to confine the heat, sparks and slag, and to protect the immovable fire hazards.
- E. Restrictions. If these requirements cannot be followed, guarding cannot adequately eliminate the fire hazards or the hot work permit is not authorized then the hot work shall not be performed.

1.4 Special Precautions

When the nature of the work requires guarding of flammable or combustible materials because the hot work cannot be relocated and the flammable or combustible material cannot be removed then certain additional precautions are necessary.

- A. Combustible Material
 - Wherever there are floor openings or cracks in the flooring that cannot be closed, precautions shall be taken so that no readily combustible or flammable materials on the floor below will be exposed to sparks or other hot debris which might drop through. The same precautions shall be observed with regard to cracks or holes in walls, open doorways and open or broken windows.

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- Combustible floors and materials (i.e. conveyor belts, polypropylene screen decks, etc.) shall be kept wet, covered with damp sand, or protected by a listed or approved welding blanket, welding pad, or equivalent. Where floors have been wet down, personnel operating arc welding equipment or cutting equipment shall be protected from possible shock.

B. Fire Extinguishers

- Suitable fire extinguishing equipment (refer to the Fire Safety Plan in this manual) shall be maintained in a state of readiness for instant use. Approved portable fire extinguishers for the type and quantity of the combustible or flammable material exposed shall be within 25 feet of the hot work. The combustible or flammable material shall not be located between the hot work and the fire extinguisher, so as to block ready access to the fire extinguishers in the event of a fire.

C. Fire Watch.

- Fire watchers shall be required whenever hot work is performed in locations where other than a minor fire might develop, or any of the following conditions exist:
 - Exposed combustible material in buildings closer than 35 feet to the point of the hot work.
 - Combustibles are more than 35 feet away but are easily ignited by sparks.
 - Unguarded wall of floor openings expose combustible material in adjacent areas including concealed spaces in walls or floors.
 - Combustible materials are adjacent to the opposite side of metal partitions, wall, ceilings or roofs and are likely to be ignited by conduction or radiant heat.
- Fire watchers shall have fire extinguishing equipment readily available and be trained in its use. They shall be familiar with facility alarm systems and how to summon emergency assistance. They shall watch for fires in all exposed areas, attempt to extinguish fire only when the fire extinguishing equipment available is of adequate size to fully extinguish the fire, or otherwise sound the alarm. A fire watch shall be maintained for at least 30 minutes after completion of the hot work to detect and extinguish possible smoldering fires.
- The fire watcher is authorized to stop work whenever he/she feels the conditions are unsafe. The fire watcher is also authorized to stop the work if the work description on the permit is being exceeded. The supervisor of the hot work activity must be notified of the situation immediately.

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- D. Authorization. Before hot work is permitted, the area shall be inspected by the Plant Manager or designated employee authorizing the hot work. They shall designate precautions to be followed in granting authorization and/or requiring and approving the Hot Work Permit
- A hot work permit (included in this section), must be issued before any hot work is performed in areas within 150 feet of flammable liquid storage, potential or actual flammable vapors or within 35 feet of combustible materials that could be impacted or come into contact with the hot work. This requirement applies to all Lehigh Hanson facilities and employees including field operations.
 - Supervisors are responsible for ensuring that all hot work is authorized, that a hot work permit is completed when required, and conditions are acceptable prior to initiating the task.
 - Supervisors shall consider the safety of the hot work operator and fire watch with respect to personal protective equipment (PPE) for other hazards beyond hot work.
 - Personal protective clothing shall be selected to minimize the potential for ignition, burning, trapping hot sparks, and electrical sparks.
- E. Hot work shall not be permitted in the following situations:
- In areas not authorized by management.
 - In sprinkled buildings while such protection is impaired.
 - In the presence of explosive or flammable atmospheres above 10% of the Lower Explosive Limit (LEL) (mixtures of flammable gases, vapors, liquids, or dusts with air), or explosive atmospheres that may develop inside uncleaned or improperly prepared tanks, hoppers, etc. which have previously contained such materials, or that may develop in areas with an accumulation of combustible dust.
 - Refer to Confined Space Entry Procedures if hot work is to be performed in a confined space.
 - In areas near the storage of quantities of exposed, readily ignitable or combustible materials.
- F. Refer to Confined Space Entry Procedures if hot work is to be performed in a confined space.
- G. In areas where the potential for a flammable atmosphere exist, the area must be tested for the presence of flammable or explosive gases or vapors prior to entering the area and constantly during the time workers are present in the area.

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- If the concentration exceeds 10 percent of the LEL (lower explosive limit), work shall stop and all personnel shall leave the area until the area can be ventilated and the flammable atmospheric concentration lowered to less than 10% of the LEL.
 - The use of inert gas to eliminate flammable gases in confined spaces is prohibited by Lehigh Hanson Policy. This practice would also displace oxygen thus making the space immediately dangerous to life and health.
 - Positive pressure ventilation as well as local exhaust shall be used to ensure that atmospheric hazard does not accumulate in the hot work area.
- H. Relocation of flammables and combustibles. Where practicable, all flammable liquids shall be relocated at least 150 feet and combustible material 35 feet from the hot work area. Where relocation of combustibles is impracticable, fire proof guarding such as welding tarps, welding shields, metal covers shall be used to cover or protect the combustibles from the hot work.
- If guarding is required due to proximity of the combustibles to the hot work then a hot work permit is required.
 - Flammable liquids shall always be removed at least 150 feet from the hot work or the hot work shall not be conducted.

1.5 Hot Work Permit (Hot Work Procedures in high hazard areas)

- A. Persons performing hot work in high hazard areas must obtain written authorization "Hot Work Permit" from the Plant/Facility Manager or his/her designated supervisory person before beginning hot work.
 - B. The permit writer and all involved personnel shall conduct an inspection of the work area and all hot work equipment to ensure that it is safe to proceed.
 - C. The permit writer shall complete the hot work permit prior to starting work and must ensure that the individuals performing the hot work and performing the pre-task survey are trained in Lehigh Hanson safety policies as necessary to complete the task.
- Where appropriate, the area must be surveyed for cracks and/or openings in the floor, wall, etc. that may allow sparks to pass through and ignite combustible material. These openings must be guarded.
 - All ducts and/or conveyor systems that may carry sparks to combustible or explosive materials must be shut down, locked out, tagged out, sealed and covered.
 - Due to the high potential of conveyor fires, hot work near conveyor belts requires a hot work permit and must always be guarded by tarps or other covers and be strictly monitored.

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- D. The permit must be reviewed and signed by the employee performing the hot work and by the person authorizing the permit. The supervisor responsible for the area in which hot work is being conducted must be notified of the hot work prior to start up and also sign the permit. The permit will stay in the possession of the employee performing the hot work during the shift.
- E. The person approving the permit must ensure that the area is constantly surveyed to ensure that the conditions remain suitable for hot work. The work area shall be resurveyed following all breaks, meals, meetings or other interruptions in the work, unless the fire watch does not leave the area and stays on duty.
- F. If the conditions change all hot work shall stop. Work shall not resume until the hazardous condition is eliminated; the area is resurveyed and determined to be safe. All stops and restarts shall be recorded on the permit form.
- G. Expired hot work permits shall be kept on file at the facility for at least 12 months beyond their expiration date.
- H. Permits are only valid for one shift not to exceed 8 hours.
- I. Checking and testing that precedes issuance of a permit shall be as close as practical to the time the work is to begin.
- J. The work area shall be rechecked after any break in the job such as meals, breaks, or meetings.
- K. If the area has the potential to contain flammable vapors due to previously stored or residual flammable liquids, an atmospheric meter shall be used to survey the area. No hot work shall begin if concentration of a flammable gas greater than 10% of its LEL is measured. No exceptions to this rule shall be made.
- L. Atmospheric gas detectors shall be calibrated as specified by manufacturer's recommendation.
- M. The fire watch must be on duty at all times during the performance of the work that requires a hot work permit.
- N. In the event the hot work will extend past the permit's expiration time, a new permit must be obtained before the next shift or work period begins.

1.6 PRE-HOT WORK SAFETY MEETING

- A. A safety meeting shall be conducted for hot work and documented by the person supervising the hot work prior to starting work. The meeting will review the following topics:

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- Hot work permit and any gas testing requirements
- All flammable liquids removed.
- Combustible material removed from the impact area or protected from the hot work
- Appropriate emergency procedures and notifications
- Ensure area is free of non-essential personnel, equipment, etc.
- Use of personal protective equipment.
- Responsibility of fire watch.
- Blinding, isolation, and purging of equipment.
- Discuss escape routes and emergency assembly area.

1.7 Contractors – Before starting any hot work, contractors and Lehigh Hanson site management shall discuss the planned project completely, including the type of hot work to be conducted and the hazards in the area. All contractors performing hot work on Lehigh Hanson property shall follow the requirements of this policy.

1.8 Monitoring and Enforcement – Safety personnel and/or supervisors will monitor and enforce this policy. Employees who refuse to adhere to the requirements of this policy will be subject to disciplinary action.

1.9 Recordkeeping

- A. The Plant Manager or his designee shall maintain all records including inspection and training records.
- B. Training shall be documented by means of LEHIGH HANSON "Training Documentation Forms", LEHIGH HANSON "Safety Meeting Forms" and/or Certificates of Training provided by outside training sources and a copy shall be placed in each employee's file (see Training section in this manual). Training records shall be retained for a period of three years from the date of the training and shall include the following information:
 - Employee's name.
 - Date of training.
 - Outline describing the training material.
 - Signature of trainer documenting that training was provided.
 - Signature of the employee documenting that training was received.

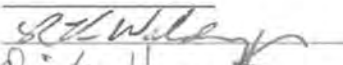
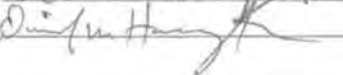
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1.10 REGULATORY REFERENCES

- 2.1 29 CFR 1910.252 Welding, cutting and brazing
- 2.4 29 CFR 1910.119 Process safety management
- 2.4 29 CFR 1910.253 Oxygen-fuel gas welding and cutting
- 2.4 National Fire Protection Association 51B



Electrical Safety Policy OSHA Operations

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ELECTRICAL (OSHA Operations)

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1. Purpose – To establish requirements and procedures for the examination, installation, use and testing of continuity and resistance of electrical power tools, equipment, power cords and receptacles in order to eliminate employees' exposure to hazards.

1.2. Definitions

- A. Armored Cable – Type AC armored cable is a fabricated assembly of insulated conductors in a flexible metallic enclosure.
- B. Askarel – A generic term for a group of nonflammable synthetic chlorinated hydrocarbons used as electrical insulating media. Askarels of various compositional types are used. Under arcing conditions the gases produced, while consisting predominantly of noncombustible hydrogen chloride, can include varying amounts of combustible gases depending upon the askarel type.
- C. Attachment Plug (Plug cap)(Cap) – A device which, by insertion in a receptacle, establishes connection between the conductors of the attached flexible cord and the conductors connected permanently to the receptacle.
- D. Cable Tray System – A unit or assembly of units or sections, and associated fittings, made of metal or other noncombustible materials forming a rigid structural system used to support cables. Cable tray systems include ladders, troughs, channels, solid bottom trays and other similar structures.
- E. Conductor:
 - Bare – A conductor having no covering or electrical insulation whatsoever.
 - Covered – A conductor encased within material of composition or thickness that is not recognized as electrical insulation.
 - Insulated – A conductor encased within material of composition and thickness that is recognized as electrical insulation.
- F. Controller – A device or group of devices that serves to govern, in some predetermined manner, the electric power delivered to the apparatus to which it is connected.
- G. Device – A unit of an electrical system which is intended to carry but not utilize electric energy.
- H. Disconnecting Means – A device, or group of devices, or other means by which the conductors of a circuit can be disconnected from their source of supply.
- I. Disconnecting (or Isolating) Switch (Over 600 volts, nominal) – A mechanical switching device used for isolating a circuit or equipment from a source of power.
- J. Enclosure – The case or housing of apparatus; or the fence or walls surrounding an installation to prevent personnel from accidentally contacting energized parts, or to protect the equipment from physical damage.

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- K. Equipment – A general term including material, fittings, devices, appliances, fixtures, apparatus and the like, used as a part of, or in connection with, an electrical installation.
- L. Grounded – Connected to earth or to some conducting body that serves in place of the earth.
- M. Grounding Conductor – A conductor used to connect equipment or the grounded circuit of a wiring system to a grounding electrode or electrodes.
- N. Grounding Conductor, Equipment – The conductor used to connect the non-current-carrying metal parts of equipment, raceways, and other enclosures to the system grounded conductor and/or the grounding electrode conductor at the service equipment or at the source of a separately derived system.
- O. Grounding Electrode Conductor – The conductor used to connect the grounding electrode to the equipment grounding conductor and/or to the grounded conductor of the circuit at the service equipment or at the source of a separately derived system.
- P. Ground-Fault Circuit-Interrupter – A device whose function is to interrupt the electric circuit to the load when a fault current to ground exceeds some predetermined value that is less than that required to operate the overcurrent protective device of the supply circuit.
- Q. Labeled – Equipment is "labeled" if there is attached to it a label, symbol, or other identifying mark of a nationally recognized testing laboratory which: (a) makes periodic inspections of the production of such equipment, and (b) whose labeling indicates compliance with nationally recognized standards or tests to determine safe use in a specified manner.
- R. Listed – Equipment is "listed" if it is of a kind mentioned in a list which, (a) is published by a nationally recognized laboratory which makes periodic inspection of the production of such equipment, and (b) states such equipment meets nationally recognized standards or has been tested and found safe for use in a specified manner.
- S. Overcurrent – Any current in excess of the rated current of equipment or the ampacity of a conductor. It may result from overload (see definition), short circuit or ground fault. A current in excess of rating may be accommodated by certain equipment and conductors for a given set of conditions. Hence the rules for overcurrent protection are specific for particular situations.
- T. Overload – Operation of equipment in excess of normal, full load rating, or of a conductor in excess of rated ampacity which, when it persists for a sufficient length of time, would cause damage or dangerous overheating. A fault, such as a short circuit or ground fault, is not an overload.
- U. Raceway – A channel designed expressly for holding wires, cables, or busbars, with additional functions as permitted in this subpart. Raceways may be of metal or insulating material, and the term includes rigid metal conduit, rigid nonmetallic conduit, intermediate metal conduit, liquid-tight flexible metal conduit, flexible metallic tubing,

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flexible metal conduit, electrical metallic tubing, underfloor raceways, cellular concrete floor raceways, cellular metal floor raceways, surface raceways, wireways and busways.

- V. Receptacle – A contact device installed at the outlet for the connection of a single attachment plug. A single receptacle is a single contact device with no other contact device on the same yoke. A multiple receptacle is a single device containing two or more receptacles.
- W. Voltage (of a circuit) – The greatest root-mean-square (effective) difference of potential between any two conductors of the circuit concerned.
- X. Voltage, nominal – A nominal value assigned to a circuit or system for the purpose of conveniently designating its voltage class (as 120/240, 480Y/277, 600, etc.). The actual voltage at which a circuit operates can vary from the nominal within a range that permits satisfactory operation of equipment.
- Y. Voltage to ground – For grounded circuits, the voltage between the given conductor and that point or conductor of the circuit that is grounded; for ungrounded circuits, the greatest voltage between the given conductor and any other conductor of the circuit.
- Z. Wireways – Sheet-metal troughs with hinged or removable covers for housing and protecting electric wires and cable, and in which conductors are laid in place after the wireway has been installed as a complete system.

1.3. Requirements

- A. All electric equipment, conductors, etc. and the installation of such equipment, conductors, etc used to provide electric power and light for employee workplaces shall be designed and installed in accordance with the safety standards contained in 29 CFR §1910.302 through 1910.308.
- B. All electrical equipment shall be examined/inspected routinely to ensure that no recognizable hazards exist. Examinations and inspections shall be based on the following:
 - The suitability of equipment for the application, based on listing or labeling of equipment.
 - The classification of equipment, conductors, etc. by type, size, voltage, current capacity, etc.
 - The durability of the equipment for the application, including the protection afforded by enclosures, cabinets, etc.
 - The insulation.
 - The effects of heating and/or arcing under load.
 - Other factors which are designed to provide protection to employees.
- C. All electrical equipment shall be listed or labeled and shall be installed and used in accordance with the information contained in the listing and/or labeling. The following information shall be permanently affixed to and readily visible on all electrical equipment:

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- Manufacturer's name, trademark, etc.
 - Voltage, current, wattage, etc.
- D. When work is to be performed on or around electrical equipment, the following shall be maintained in accordance with 29 CFR § 1910.303:
- Guarding and enclosing of energized components, parts, etc. of electrical equipment.
 - Sufficient access and working space provided and maintained about all electrical equipment to permit ready and safe operations and maintenance.
 - Entrances and access to workspace.
 - Illumination.
- E. All electrical equipment shall be designed, specified, installed and used in accordance with 29 CFR § 1910.304 and the National Electrical Code (NEC).
- F. All unused openings (including conduit knockouts) in electrical enclosures and fittings shall be closed with appropriate covers, plugs or plates.
- G. All electrical enclosures such as switches, receptacles and junction boxes shall be provided with tight-fitting covers or plates.
- H. All electrical raceways and enclosures shall be securely fastened in place.
- I. All electrical conductors shall be color-coded in a consistent manner. The grounded conductor and the equipment-grounding conductor shall be identifiable and distinguishable from all other conductors.
- J. All electrical circuits and equipment shall be grounded by means of either electrical circuit or system grounding or electrical equipment grounding in accordance with 29 CFR § 1910.304.
- K. All metal cable trays, metal raceways and metal enclosures for conductors shall be grounded.
- L. All metal enclosures for service equipment shall be grounded.
- M. The exposed non-current-carrying metal parts of fixed equipment that may become energized shall be grounded:
- If the equipment is subject to employee contact and within eight feet vertically or five feet horizontally of ground or grounded metal objects.
 - If the equipment is located in wet or damp environments.
 - If the equipment is in electrical contact with metal.
 - If the equipment is supplied current by a metal-clad, metal-sheathed or grounded metal raceway wiring method.
 - If the equipment operates with any terminal at over 150 volts to ground, with the following exceptions:
 - Enclosures for switches or circuit breakers used for other than service equipment and accessible to qualified persons only.

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- Metal frames of electrically heated appliances which are permanently and effectively insulated from ground.
 - The cases of distribution apparatus such as transformers and capacitors on wooden poles at a height of more than eight feet above ground or grade level.
- N. All non-current-carrying metal parts of equipment which are supplied current by a cord and plug shall be grounded, unless:
- The equipment is supplied through an isolating transformer with an ungrounded secondary of not more than 50 volts.
 - The portable tool is double insulated and distinctively marked accordingly.
- O. The metal parts of the following non-electric equipment shall be grounded:
- The frames and tracks of electrically powered/operated cranes,
 - Metal enclosures around equipment with over 750 volts between conductors.
- P. The equipment grounding conductor used to ground the non-current-carrying metal parts of equipment shall either be a conductor running with the power conductors within the same raceway, cable, or cord or shall be the metal conduit that encloses the power conductors
- Q. Electrical equipment, components and wiring methods shall conform to the standards of 29 CFR § 1910.305.
- R. Temporary wiring shall conform to the standards of 29 CFR § 1910.305.
- S. Flexible cables and cords shall not be used in lieu of fixed or permanent wiring, except for the following exceptions:
- Pendants.
 - Wiring of fixtures.
 - Connection of portable lamps or appliances.
 - Wiring of cranes and/or hoists where flexibility is necessary for operation.
 - Connection of stationary equipment which requires frequent interchange or moving.
 - Prevention of the transmission of vibration, where vibration tends to fatigue fixed wiring.
 - Appliances where the fastening means and mechanical connections are designed to facilitate removal for maintenance and/or repair, such as exhaust fans, water coolers, etc.
 - Data processing cables that are approved as a part of a data processing system.
 - Surge protection strips designed to protect data processing equipment.
- T. Where allowed for use, flexible cables and cords shall not:
- Run through holes in walls, ceilings, floors, etc.
 - Run through doorways, windows or similar openings.
 - Be attached to building surfaces with such devices as staples, nails, wire, etc.
 - Be concealed behind walls, ceilings, floors, etc.

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- U. Standard National Electrical Manufacturer's Association (NEMA) plugs and receptacles shall be used on all cords and cables and shall be used jointly or separately as specified by NEMA specifications.
- V. All conductors and electrical equipment shall be protected from overcurrent.
- W. No electrical equipment, switches and wiring shall carry a load greater than that for which they are rated and as permitted by the National Electrical Code (NEC).
- X. Overcurrent protection of circuits and conducts shall not be modified beyond that allowed in the installation safety requirements for overcurrent protection, 29 CFR § 1910.304.e.
- Y. A disconnecting means (disconnect switch) shall be provided and located within sight of the controllers of all motors. The disconnecting means shall plainly indicate whether it is in the open (off) or closed (on) position. Disconnects for motor branch circuits exceeding 600 volts are not required in site of the controller; however, all installation using this exception shall conform to the standards of 29 CFR § 1910.305.
- Z. All motors, motor-control apparatus, and motor branch-circuit conductors shall be protected against overheating due to motor overloads or failure to start, against short-circuits and against ground faults.
- AA. All disconnect switches and overcurrent devices shall be legibly and permanently marked to indicate their purpose.
- BB. The energized parts of all motors and/or controllers operating at 50 volts or more between terminals shall be guarded to protect employees from accidental contact by one of the following methods:
 - Installed in a room or enclosure that is accessible only to qualified persons.
 - Installed on a balcony, gallery or other platform that is elevated and arranged to exclude unqualified persons.
 - Elevated eight feet or more above the floor.
- CC. The following requirements shall apply to transformers:
 - Warning signs shall be affixed to the equipment or structure and shall note the operating voltage of exposed energized parts of transformer installations.
 - Oil-insulated transformers that are installed indoors and that present a fire hazard, and dry-type, high fire point liquid-insulated and askarel-insulated transformers that are installed indoors and rated over 35kV, shall be installed in a vault designed to contain the fire and/or combustible liquids and to prevent unauthorized access.
 - Vault doors shall be designed to be opened from inside the vault.
 - Materials shall not be stored in transformer vaults.
 - Piping or duct systems shall not pass through or enter transformer vaults.
 - Safeguards shall be taken to eliminate the possibility of combustible materials, buildings, fire escapes and door and window openings from catching fire due to fires which may originate in oil-insulated transformers attached to or adjacent to the buildings or combustible materials.

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- DD. Capacitors shall be equipped with an automatic discharge device or a device that will drain the capacitor's charge when the circuit is de-energized.
- EE. All safe work practices prescribed in 29 CFR § 1910.333 shall be followed by those persons performing work on or near electrical equipment. Personnel shall employ safety-related work practices to prevent electric shock and/or other injuries that may result from coming into direct or indirect contact with electrically energized components.
- FF. Employees having to work on or near energized electrical equipment/components/circuits shall de-energize the electrical equipment/components/circuits by following the procedures established for lockout/tagout. Refer to section on Lockout Tagout.
- GG. Only qualified persons shall be allowed to perform testing on electric circuits and/or equipment. Only qualified persons shall be allowed to work on electric circuits or equipment that have not been de-energized. This exception shall only apply to circuit/component testing that requires energization of the circuit/component.
- HH. Employees shall open disconnecting means (move disconnect switches to the off position) before fuses are replaced.
- II. Employees shall not work alone on energized lines or equipment over 600 volts.
- JJ. The cords and plugs of portable electric equipment and flexible cord sets (extension cords) including their receptacle and plug shall be visually inspected on every shift before use. Refer to section on Pre-operation Inspections.
- KK. The following tests shall be performed on all cord- and plug-connected equipment required to be grounded and on all cord sets and receptacles which are not a part of the permanent wiring of a building or structure:
- Equipment grounding conductors shall be tested for continuity and shall be electrically continuous.
 - Each receptacle and attachment cap or plug shall be tested for correct attachment of the equipment grounding conductor. The equipment grounding conductor shall be connected to its proper terminal.
- LL. These tests shall be performed:
- Before first initial use.
 - Before equipment is returned to service following any repairs.
 - Before equipment is used after any incident which can be reasonably suspected to have caused damage such as being run over by a vehicle.
 - At intervals not to exceed three months, except that cord sets and receptacles which are fixed and not exposed to damage shall be tested at intervals not exceeding six months.
- MM. Equipment that has not been tested as specified above shall not be used until such time as the equipment has been tested and shown to be safe.

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- NN. The results of all performed tests shall be recorded and kept on file at each respective location. This test record shall identify each receptacle, cord set, and cord- and plug-connected equipment that passed the test. This record shall be kept by means of a log and a colored tape system. This record shall indicate the last date the equipment was tested and/or the interval for which it was tested and the color of the tape used for the respective cycle of testing. A different color tape shall be used for each successive cycle of testing (black tape is not an acceptable color). Refer to the "Electrical Equipment Test Documentation Form" (included in this section). All colored tape should be installed on the "male" end of extension cords. All colored tape from previous years should be removed before installing the new tape.
- OO. Cords and/or plugs that are found to be damaged (frayed or deteriorated insulation) and/or defective shall be removed from service until repaired. Flexible cords and cables shall be free of splices or taps. Cords and plugs that can not be repaired shall be destroyed and replaced.
- PP. Flexible cords shall not be fastened with staples, nails, etc. or otherwise hung in such a manner as to cause damage to the outer insulation of the cords.
- QQ. All flexible cords shall contain an equipment grounding conductor and appropriate plugs/receptacles to ensure proper continuity of the equipment grounding conductor at the point of attachment to fixed receptacles.
- RR. Ground-fault-circuit-interrupters (GFCIs) shall be installed on:
- Each temporary 15 or 20 ampere, 120 volt AC circuit at locations where construction, demolition, modifications, alterations or excavations are being performed.
 - All electrical circuits used in conjunction with portable electrical equipment and flexible power cords (extension cords).
 - All locations within close proximity to water, such as restroom and kitchen sinks, wash up stations in plants, etc.
- SS. The installation of ground-fault-circuit-interrupters (GFCIs) shall be progressively introduced at all operations and installation progress shall be monitored to ensure the timely installation of all required GFCIs.
- TT. All portable electrical equipment shall be protected by ground-fault-circuit-interrupters (GFCIs).
- UU. GFCIs shall be tested in accordance with the manufacturer's recommendations. Testing shall be documented and records maintained.
- VV. Portable electric equipment and flexible cords used in damp or wet work environments shall be approved for use in such environments.
- WW. Flammable materials that must be stored in small quantities shall be stored in properly labeled safety cans and in areas that are not within 25 feet of sources producing electric arcs.

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- XX. Portable ladders shall be of non-conductive construction if they are used in areas where they can contact exposed electrically energized components.
- YY. Jewelry and/or clothing that are conductive (not protected or insulated) shall not be worn if they can contact exposed electrically energized components.
- ZZ. Employees working in areas where electrical hazards exist shall use appropriate personal protective equipment, as defined in section on Personal Protective Equipment.
- AAA. Personal protective equipment shall be maintained and periodically inspected/tested as outlined in section on Personal Protective Equipment.
- BBB. Employees working near exposed energized conductors or circuits shall use appropriate tools, including insulated tools, fuse pullers, non-conductive ropes, etc. Metal measuring tapes, ropes, handlines or similar devices with metallic thread woven into the fabric shall be prohibited.
- CCC. Safety signs, safety symbols and accident prevention tags shall be used where required to warn personnel of electrical hazards that may endanger them.
- DDD. Barricades shall be used in conjunction with safety signs where necessary to prevent or limit personnel access to work areas containing uninsulated energized conductors, components, etc.
- EEE. Attendants shall be used to warn personnel of electrical hazards if signs and barricades do not provide sufficient warning and protection.

1.4. Training

- A. Employees who perform work duties that may expose them to the risk of electric shock shall receive training to familiarize them with the safety-related work practices required by 29 CFR § 1910.331-.355 that pertain to their respective job duties.
- B. This classroom/on-the-job training shall address all aspects of the required job duties, emphasizing safety-related work practices and shall include the skills and techniques required to distinguish exposed energized parts from other parts of electric equipment, the skills and techniques required to determine the nominal voltage of exposed energized parts, the clearance distances specified in 29 CFR § 1910 and the corresponding voltages to which the qualified person will be exposed.
- C. The classroom portion of the training shall be completed as part of the company's "New Employee Safety Orientation Program."
- D. Electrical safety-related work practices shall be a periodic safety-training topic.

- 1.5. Monitoring and Enforcement** – The plant manager shall be responsible for implementation and enforcement of this policy. Failure to follow established procedures or failure to use proper personal protective equipment can result in an employee receiving a safety violation notice, loss of safety incentive, and/or disciplinary action up to and including termination of employment.

ELECTRICAL (OSHA Operations)

1.6. Record Keeping

- A. The plant manager or his designee shall maintain all records including inspection and training records.
- B. Training shall be documented by means of LEHIGH HANSON "Training Documentation Forms" and/or LEHIGH HANSON "Safety Meeting Forms" and a copy shall be placed in each employee's file (see section on Training). Training records shall be retained for a period of three years from the date of the training and shall include the following information:
 - Employee's name.
 - Date of training.
 - Outline describing the training material.
 - Signature of trainer documenting that training was provided.
 - Signature of employee documenting that training was received.

2. STATUTORY REFERENCES


- 2.1. 29 CFR § 1910.302 – Electric Utilization Systems.
- 2.2. 29 CFR § 1910.303 – General Requirements.
- 2.3. 29 CFR § 1910.304 – Wiring Design and Protection.
- 2.4. 29 CFR § 1910.305 – Wiring Methods, Components, and Equipment For General Use.
- 2.5. 29 CFR § 1910.306 – Specific Purpose Equipment and Installations.
- 2.6. 29 CFR § 1910.308 – Special Systems.
- 2.7. 29 CFR § 1910.332 – Training.
- 2.8. 29 CFR § 1910.333 – Selection and Use of Work Practices.
- 2.9. 29 CFR § 1910.334 – Use of Equipment.
- 2.10. 29 CFR § 1910.335 – Safeguards for Personnel Protection.
- 2.11. 29 CFR § 1926 Subpart K – Electrical.




Ladder Safety Policy OSHA Operations

Effective Date March 1, 2011

Revision Date _____

Approval  Date 02/18/11

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LADDER SAFETY **(OSHA Operations)**

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1 Purpose – Proper use of ladders is essential to accident prevention. Even a good ladder can be a serious safety hazard when used by workers in an unsafe way. Falls from ladders often result in serious injury or death. The purpose of this program is to provide LEHIGH HANSON employees with guidance to safely use ladders.

1.2 Scope - This program is applicable to all LEHIGH HANSON employees who use portable ladders. This procedure does not apply to ladders that are an integral part of a structure or machinery.

1.3 Requirements

- A. Ladders shall be maintained in good condition at all times.
- B. Load limitations for ladders shall not be exceeded
- C. When working from a ladder, the ladder shall be securely placed, held, tied down, or otherwise made secure to prevent slipping or falling.
- D. All portable straight ladders shall be equipped with safety feet
- E. Ladders shall only be used in accordance with manufacturer's recommendations.
- F. Metal ladders shall not be used for any electrical work.
- G. All future ladder purchases shall be limited to Type 1A ladders.

1.4 Ladder Inspection

- A. Ladders on site shall be allocated a number which will be used on the periodic inspection sheet.
- B. Ladders shall be visually inspected before each use. Attachment A of this procedure contains a ladder inspection checklist that may be used as a guide for ladder evaluation.
- C. Broken or damaged ladders shall not be used. Most ladders cannot be repaired to manufacturer specifications. Broken or damaged ladders shall be immediately destroyed or tagged/properly disposed of.

Note: Only minor repairs shall be performed on ladders (e.g., replacement of safety feet, tighten loose hardware). Any other repairs shall require the ladder to be replaced.

- D. If a ladder is involved in any of the following, an immediate inspection shall be necessary prior to use/continued use to determine whether the ladder can be used, repaired or taken out of service.
 - If a ladder is dropped, or something falls on it, all rivets shall be inspected for shear, side rails shall be inspected for dents or bends, rungs shall be inspected for dents, and rung-to-side rail connectors shall be inspected for damage
 - If a ladder is exposed to fire or steam, an appropriate inspection must be performed.

LADDER SAFETY

(OSHA Operations)

- If a ladder is subjected to acids and alkali solutions, an appropriate inspection must be performed.
- If a ladder comes in contact with oil or grease, it shall be cleaned of all slippery materials before being placed back into service.

1.5 Ladder Storage

- A. Ladders shall be stored in such a manner as to provide ease of inspection and use. Ladders shall be returned to and stored in designated storage areas after each use.
- B. Ladders when stored horizontally shall be supported at six foot intervals to prevent sagging of the middle section which can loosen the rungs and warp the rails.
- C. Ladders carried on vehicles shall be adequately supported and secured to minimize road shock damage and chafing.
- D. Ladders should be labeled and designated for specific plant areas.

1.6 Portable Ladder Ratings

- A. Portable Ladder Ratings (weight capacity not to be exceeded)

Type IA	Extra Heavy-Duty , for use such as utilities, contractors, industrial and construction job sites.	300 lbs.
Type I	Heavy-Duty , for use such as utilities, contractors, industrial and construction job sites.	250 lbs.
Type II	Medium-Duty , for use such as painters, offices, and light industrial; not acceptable on construction job sites.	225 lbs.
Type III	Light-Duty , household step ladder, 3 to 6 feet.	200 lbs.

Note: Ladders shall only be used in accordance with manufacturer's recommendations and all future ladder purchases shall be limited to Type 1A ladders.

- B. Limits on portable ladder length.
 - A stepladder shall be no more than 20 feet high.
 - A one-section ladder should be no more than 30 feet high.

1.7 Plant employees who use ladders shall be trained in the proper use of ladders.

1.8 Training

- A. The feet of the ladder shall be placed approximately one quarter of its supported length away from the vertical plane of its top support. (That is, set the ladder at a 4:1 slope.)
- B. The proximity of electrical conductors or other sources of electrical current must be checked when positioning ladders.

LADDER SAFETY (OSHA Operations)

- C. Only light, temporary work should be performed from ladders.
- D. Ladders shall not be placed in front of doors that open towards the ladder unless the door is locked or open and secured.
- E. When ascending or descending ladder workers are to face the ladder and use both hands, maintaining three point of contact at all times.
- F. If tools and materials are to be moved from one level to another, a rope, block and tackle, or other means shall be employed.
- G. Materials shall not be hand carried on ladders.
- H. Two people may not work from a single ladder.
- I. Ladders shall not be used horizontally as walkways or scaffolds.
- J. No job built ladders will be constructed or used.

1.9 Recordkeeping - None required

Exhibits

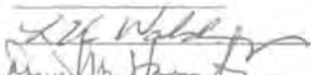
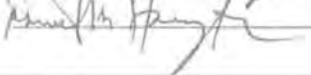
Exhibit A: Portable Ladder Inspection Checklist

2. STATUTORY REFERENCES

- 2.1** 29 CFR § 1910.25 Portable Wooden Ladders
Portable Metal Ladders
- 2.2** 30 CFR § 56.11011 Use of Ladders
- 2.3** 30 CFR § 56.11007 Wooden Ladders
- 2.4** 30 CFR § 56.11003 Construction & Maintenance
- 2.5** 30 CFR § 56.11004 Portable Rigid Ladders



Fall Protection Policy OSHA Operations

Effective Date	<u>March 1, 2011</u>		
Revision Date			
Approval		Date	<u>02/18/11</u>
Approval		Date	<u>02/18/11</u>

FALL PROTECTION (OSHA Operations)

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1. Purpose – To establish requirements for the use of fall protection devices and/or systems.

1.2. Definitions

- A. Anchorage – A secure point of attachment for lifelines, lanyards or deceleration devices.
- B. Body Belt (Safety Belt) – A strap with means for both securing it about the waist and for attaching it to a lanyard. (Not to be used by LEHIGH HANSON employees. Harnesses with waist D-rings will be used as positioning devices).
- C. Body Harness – Straps that may be secured about the employee in a manner that will distribute the fall arrest forces over the thighs, pelvis, waist, chest and shoulders with means for attaching it to other components of a personal fall arrest system.
- D. Buckle – The device used to hold the body harness securely around the employee's body.
- E. Connector – A device used to couple (connect) parts of the personal fall arrest system and positioning device system together. It may be an independent component of the system, such as a carabiner, or it may be an integral component or part of the system, such as a buckle or D-ring sewn into a body belt or body harness, or a snaphook spliced or sewn to a lanyard or self-retracting lanyard.
- F. Cross Arm Strap Anchorage Point – A strap that wraps around I-beam or other structure forming a secure attachment point for lanyards and other connecting devices.
- G. Potentially Dangerous Equipment – Machinery, electrical equipment and other units, which as a result of form or function, may be hazardous to employees who fall onto or into such equipment.
- H. Deceleration Devices – Any mechanism, such as rope grab, rip stitch lanyard, specially-woven lanyard, tearing or deforming lanyard, automatic self-retracting lifeline/lanyard, etc. which serves to dissipate a substantial amount energy during a fall arrest, or otherwise limits the energy imposed on an employee during fall arrest.
- I. Deceleration Distance – The additional vertical distance a falling person travels, excluding lifeline elongation and free fall distance, before stopping from the point at which the deceleration device begins to operate. It is measured as the distance a person's body harness attachment point travels during a fall. It is measured from the moment of activation of the deceleration device (at the onset of the fall arrest forces) until the person comes to a full stop.
- J. D-Ring – Forged steel rings that are used to attach connecting devices. D-rings shall have a minimum tensile load strength of 5,000 lbs.
- K. Equivalent – Alternative designs, materials or methods to protect against a hazard which will provide an equal or greater degree of safety for employees.

FALL PROTECTION **(OSHA Operations)**

- L. Failure – Load refusal, breakage or separation of component parts. Load refusal is the point where the ultimate strength is exceeded.
- M. Free Fall – The act of falling before a personal fall arrest system begins to apply force to arrest the fall.
- N. Free Fall Distance – The vertical displacement of the fall arrest attachment point on the person's body harness between the onset of the fall and just before the system begins to apply force to arrest the fall. This distance excludes deceleration distance and lifeline/lanyard elongation, but includes any deceleration device slide distance or self-retracting lifeline/lanyard extension before they operate and fall arrest forces occur.
- O. Guardrail System – A barrier erected to prevent a person from falling to lower levels.
- P. Hoisting Area – A specific area of a structure where equipment, materials and/or tools are lifted from one level (floor or platform) to a higher level within a structure, or from the ground to an elevated floor or platform within a structure. When materials are not being lifted, guardrail systems guard these designated opening in floors or platforms. In order to facilitate the hoisting of equipment, materials and/or tools, portions of the guardrail system guarding these designated openings must be removed. The removal of these guardrail systems allows employees to receive or guide the hoisted items onto the receiving floor or platform.
- Q. Lanyard – A flexible line of rope, wire rope, or strap which generally has a connector at each end for connecting the body harness to a deceleration device, lifeline, or anchorage.
- R. Leading edge – The edge of a floor, roof, or formwork for a floor or other walking/working surface (such as the deck) which changes location as additional floor, roof, decking, or formwork sections are placed, formed, or constructed. A leading edge is considered to be an "unprotected side and edge" during periods when it is not actively and continuously under construction.
- S. Lifeline – A component consisting of a flexible line for connection to an anchorage point at one end to hang vertically (vertical lifeline), or for connection to an anchorage at both ends to stretch horizontally (horizontal lifelines). Horizontal lifelines serve as a means for connecting other components of a personal fall arrest system to the anchorage.
- T. Lower Levels – Areas of surfaces to which a person can fall. Such areas or surfaces include, but are not limited to ground levels, floors, platforms, pits, tanks, water, equipment, structures, etc.
- U. Personal Fall Arrest System – The system used to arrest a person in a fall from a working level. The three components of a fall arrest system are body harness, lanyard and connectors, and anchorage.
- V. Positioning Device System – The system used to keep a person positioned away from the fall area. The three components of a positioning device system are body harness, lanyard and connectors that are adjusted to the proper length, and anchorage.

FALL PROTECTION (OSHA Operations)

- W. Rope Grab – A deceleration device which is to be used with independent lifelines with a minimum tensile strength of 5,000 lbs. A short three to four inch lanyard is attached to the rope grab, which the user can move up or down the lifeline, yet will lock instantly when activated by a fall.
- X. Self-Retracting Lifeline/Lanyard – A deceleration device containing a drum-wound line, which under slight tension, can be slowly extracted from the drum or be retracted onto the drum. After the onset of a fall, the drum automatically locks and arrests the fall.
- Y. Snaphook – A connector comprised of a hook-shaped member with a normally closed keeper, or similar arrangement, which may be opened to permit the hook to receive an object. When released, the keeper automatically closes to retain the object. The only snaphook that shall be used is the locking type with a self-closing, self-locking keeper which remains closed and locked until unlocked and pressed open for connection or disconnection. Locking snaphooks shall have a minimum tensile load strength of 5,000 lbs.
- Z. Walking/Working Surface – Any surface, whether horizontal or vertical, on which a person walks or works, including but not limited to floors, roofs, etc. These surfaces do not include ladders, vehicles or trailers, on which a person must be located in order to perform their job duties.
- AA. Work Areas – That portion of a walking/working surface where job duties are being performed.

1.3. Requirements

- A. Scaffolds, ladders or vehicle mounted work platforms shall be used to provide a safe working surface whenever possible to reduce the hazard of falling. When these measures cannot provide safe access to the work being performed for any reason, an acceptable fall protection system shall be used.
- B. The use of 100 percent fall protection at the point of work, as well as going to and from the work area, is mandatory for all LEHIGH HANSON employees and all contractor personnel on LEHIGH HANSON projects, when employees are at risk of falling or working a minimum of four feet or more off the floor or ground, except in plant areas covered by 29 CFR § 1910.23, where the minimum distance off the floor or ground is four feet. Employees working on construction sites must use 100 percent fall protection when at risk of falling or working at a minimum of six feet or more off the ground. Fall arrest systems shall be rigged in such a manner that an employee can neither fall more than six feet nor contact any lower level.
- C. All fall protection components and/or systems used shall conform to the standards prescribed in 29 CFR § 1926.502.
- D. Types of fall protection systems available are:
 - Guardrail systems
 - Fall arrest systems.
 - Positioning device systems.
 - Safety netting.

FALL PROTECTION (OSHA Operations)

- E. The walking/working surfaces on which employees are to work must have the strength and structural integrity to support each employee safely.
- F. When employees are on walking/working surfaces near potentially dangerous equipment, each employee shall be protected from falling into or onto the dangerous equipment by a guardrail system or by equipment guards. Employees working above potentially dangerous equipment shall be protected from fall hazards by the use of guardrails or a positioning device system.
- G. When personnel are working or being hoisted in man lifts, bucket trucks, etc., each person shall be protected from the fall hazard by using a fall arrest system rigged in such a manner that the person can neither free fall more than six feet, nor contact any lower level. Traveling while being hoisted or held in a fixed position above a lower level is not recommended, and is only permitted on level paved surfaces at speeds of less than one mile per hour. Materials other than hand tools necessary for the specific elevated work shall not be transported with personnel.
- H. After fall arrest, equipment shall not be used again until inspected and determined by a competent person to be undamaged and suitable for reuse.
- I. Equipment should be stored in a cool, dry and clean environment that is out of direct sunlight. Protective bags can be used.

1.4. Training

- A. Employees required to use fall protection will be instructed in fall hazard recognition; proper fall protection system selection; and procedures for erecting, maintaining, disassembling and inspecting the fall protection systems to be used.
- B. Additional training shall be provided if:
 - Changes in the workplace take place that render previous training obsolete.
 - Changes in the types of fall protection systems or equipment used are made that render previous training obsolete.
 - Inadequacies in an affected employee's knowledge or use of fall protection systems or equipment are observed that indicate that the employee is not adequately trained.
- C. Fall protection will be a periodic safety-training topic.

- 1.5. Monitoring and Enforcement** – The plant manager shall be responsible for implementation and enforcement of this policy. Failure to follow established fall protection procedures or failure to use proper personal protective equipment can result in an employee receiving a safety violation notice, loss of safety incentive, and/or disciplinary action up to and including termination of employment.

FALL PROTECTION (OSHA Operations)

1.6. Recordkeeping

- A. The plant manager or his designee shall maintain all records including inspection and training records.
- B. Training shall be documented by means of LEHIGH HANSON "Training Documentation Forms" and/or LEHIGH HANSON "Safety Meeting Forms" and a copy shall be placed in each employee's file (see Training section of this manual). Training records shall be retained for a period of three years from the date of the training and shall include the following information:
 - Employee's name.
 - Date of training.
 - Outline describing the training material.
 - Signature of trainer documenting that training was provided.
 - Signature of employee documenting that training was received.

2. COMPONENTS OF A FALL ARREST SYSTEM

2.1. Guardrail Systems

- A. Guardrails are the best method of fall protection available and are more acceptable than the use of a body harness for fall arrest or as a positioning device.
- B. Guardrail systems shall be so surfaced as to prevent injury to an employee from punctures or lacerations, and to prevent snagging of clothing.
- C. When guardrail systems are used at hoisting areas, a chain, inwardly opening gate or removable guardrail section shall be placed across the access opening between the guardrail sections when hoisting operations are not taking place.
- D. When guardrail systems are used around openings that are used as points of access, such as ladder ways, etc., they shall be provided with an inwardly opening gate or be offset so that a person cannot walk directly into the opening.

2.2. Body Harness

- A. The body harness is the first of the three components that make-up a fall arrest system. Only a full body harness shall be used when there is a possibility that a worker could fall from an elevated level to a lower level. Full body harnesses distribute the forces of a fall throughout the worker's body among the shoulders, legs, torso and buttocks. This distribution decreases the likelihood that the worker will be injured.
- B. Fall protection devices should only be attached to the D-ring, located in the center of the wearer's back near shoulder level. Other D-rings, especially side and front rings, should only be used for positioning.
- C. When using full body harnesses, employees shall use the straps and buckles to adjust the harness to ensure a snug fit.

FALL PROTECTION (OSHA Operations)

- D. Full body harnesses should never be used to hoist or lift materials.
- E. Body harnesses involved in a fall shall be taken out of service and destroyed.

2.3. Connecting Devices

- A. Connecting devices are the second of three components that make-up a fall arrest system. These devices are used to attach the body-wear to the point of anchorage. The most common types of connecting devices are rope, webbing, steel or shock absorbing lanyards, but may also be retractable lifelines, rope grabs, etc.
- B. Only shock-absorbing lanyards or lanyards attached to a shock absorbing pack should be part of the fall arrest system.
- C. Lanyards and lifelines shall have a minimum breaking strength of 5,000 lbs., and shall be equipped with locking snap-hooks. The use of knots to connect lanyards is not permitted.
- D. Straps (webbing) used in lanyards and lifelines shall be made from synthetic fiber and shall be protected against being cut or abraded, and shall not pass over sharp edges without padding or "softeners."
- E. Steel lanyards shall never be used.
- F. Self-retracting lifelines and lanyards, which automatically limit free fall distance to two feet or less, shall be capable of sustaining a minimum tensile load of 3,000 lbs. applied to the device with the lifeline or lanyard in the fully extended position.
- G. Self-retracting lifelines and lanyards which do not limit free fall distance to two feet or less, must have rip-stitch lanyards and tearing lanyards capable of sustaining a minimum tensile load of 5,000 lbs. applied to the device with the lifeline or lanyard fully extended.
- H. When using rope as part of a fall arrest system, environmental exposure should be considered. Factors affecting this decision are:
 - Polyester rope has good resistance to mild acidic conditions.
 - Polypropylene rope has good resistance to chemicals, but has a lower breaking strength.
 - Nylon rope should be protected from paint and chemicals. Nylon ropes may not be used in or near chlorine or chlorinated water due to the adverse chemical reaction.
- I. Well-maintained ropes have a service life of one to two years, and webbings have a service life of two to three years. Both have a five year shelf life and shall be marked so their age can be accurately determined.

FALL PROTECTION (OSHA Operations)

2.4. Anchoring Devices

- A. The anchoring device is the third of the three components that make-up a fall arrest system. Selecting proper anchorage points and anchoring devices is one of the most important factors to be considered when completing a fall protection system.
- B. All anchorage points shall be capable of supporting 5,000 lbs. per attached worker and shall be approved by management prior to attachment. Examples of acceptable anchorage points are structural beams with padding, eyebolts, etc.
- C. Anchorage points should be easily accessible and, if possible, should be directly above the worker to limit the free fall distance. Avoid tying off to an anchor at foot level, since this increases the fall distance allowed by the connecting device.
- D. A cross arm strap anchorage point may be used to attach fall protection system to I-beams and other structures that do not have a hole to attach a lanyard or lifeline to.
- E. The lanyard or lifeline locking snaphook shall be hooked so that it will close completely. Never put the open hook on a beam flange. When connecting to a beam, it is acceptable to lock the snaphook in a hole in the flange of the beam.
- F. Locking snaphooks shall be sized to be compatible with the structural member to which they are being connected in order to prevent unintentional disengagement.

2.5. Fall Arrest System

- A. Individually, none of the three components that make-up a fall arrest system (body harness, connecting devices and anchoring devices) will provide protection from a fall. Used properly with each other, they form a complete system and become an important part of the total fall protection system.
- B. It is essential not to mix and match components from several different manufacturers, since this can create a problem with compatibility of the components and not provide the required level of protection.
- C. Personal fall protection systems shall be inspected prior to each use for wear, damage and other deterioration. Defective components shall be removed from service.
- D. When stopping a fall, the personal fall arrest system used with a body harness shall be rigged to limit the maximum arresting force on an employee to 1,800 lbs., while ensuring that an employee will neither free fall more than six feet nor contact any lower level.
- E. The fall arrest system shall never be attached to guardrails and handrails, since these are not designed to withstand the forces generated in a fall.
- F. Impacted components of a fall arrest system shall be removed from service and not used again until a qualified person inspects them and finds them to be free of defects.

FALL PROTECTION (OSHA Operations)

- G. Note: To meet the strength and design requirements of the fall arrest system, components of the system must meet the requirements of ANSI-Z-359.1-2007 standards.

2.6. Positioning Devices

- A. Full body harnesses shall be used to restrain a worker in a hazardous position and reduce the possibility of a fall.
- B. The lanyard attached to the harness shall have the length adjusted to keep the worker positioned only as far as the edge of the walking/working surface and the worker shall be at zero free fall distance.
- C. Connecting devices that are of a decelerating type (rope grab, ripstitch lanyards, specially woven lanyards, tearing or deforming lanyards, automatic self-retracting lifelines/lanyards, etc.) shall not be used as a part of the positioning system because of the additional distances these devices allow one to fall after they are activated by the fall.
- D. Positioning devices shall be rigged such that an employee cannot free fall more than two feet.

2.7. Leading Edges

- A. Each employee who is constructing a leading edge six feet or more above a lower level shall be protected from falling by guardrail systems, personal fall arrest systems or safety net systems.
- B. Each employee on a walking/working surface six feet or more above a lower level where leading edges are under construction, but who is not engaged in the leading edge work, shall be protected from falling by a guardrail system, personal fall arrest system or safety net system.
- C. In circumstances where it is infeasible to use guardrail systems, personal fall arrest systems, or safety net systems or where the use of these systems creates a greater hazard, LEHIGH HANSON shall develop and implement a fall protection plan that meets the following requirements.
 - The plan shall be prepared by a qualified person and developed specifically for the site where the leading edge work is being performed.
 - A qualified person shall approve any changes to the plan.
 - A copy of the plan, including all approved changes shall be maintained up to date and at the job site.
 - The implementation of the plan shall be under the supervision of a competent person.

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- The plan shall document the reasons why the uses of guardrail systems, personal fall arrest systems, or safety net systems are infeasible or why their use would create a greater hazard.
 - The plan shall include a written discussion of other measures that will be taken to reduce or eliminate the fall hazard for workers who cannot be provided with protection from guardrail systems, personal fall arrest systems, or safety net systems. This discussion may include the extent to which scaffolds, ladders, or vehicle mounted work platforms can be used to provide a safer working surface and thereby reduce the hazard of falling.
 - The plan shall identify each location where guardrail systems, personal fall arrest systems, or safety net systems cannot be used. These locations shall be classified as controlled access zones.
 - The plan shall include a statement that provides the name or other method of identification for each employee who is designated to work in the controlled access zones. No other employees shall be allowed to enter the controlled access zones.
- D. In areas where no other alternative measure has been implemented, LEHIGH HANSON shall implement a safety monitoring system.
- E. In the event an employee falls or a near miss occurs, LEHIGH HANSON shall investigate the circumstances of the fall or near miss. This investigation shall be completed to determine if the fall protection plan needs to be changed to include new practices, procedures, or training. LEHIGH HANSON shall implement required changes to prevent similar types of falls or incidents.
- F. Controlled access zones and their use shall conform to the following requirements.
- The controlled access zones shall be defined by a control line or by any other means that restricts access.
 - The control lines shall be erected not less than six feet nor more than 25 feet from the unprotected or leading edge, except when erecting precast concrete members. When erecting precast concrete members, the control line shall be erected not less than six feet nor more than 60 feet or half the length of the member being erected, whichever is less, from the leading edge.
 - The control line shall extend along the entire length of the unprotected or leading edge and shall be approximately parallel to the unprotected or leading edge.
 - The control line shall be connected on each side to a guardrail system or wall.
 - Control lines shall consist of ropes, wires, tapes, or equivalent materials. Control lines shall be supported in the following manner.
 - Each line shall be flagged or otherwise clearly marked at not more than six foot intervals with high-visibility material.

FALL PROTECTION (OSHA Operations)

- Each line shall be rigged and supported in such a way that its lowest point (including sag) is not less than 39 inches from the walking/working surface and its highest point is not more than 45 inches from the walking/working surface.
- Each line shall have a minimum breaking strength of 200 pounds.

G. Safety monitoring systems and their use shall conform to the following requirements.

- LEHIGH HANSON shall designate a competent person to monitor the safety of other employees and LEHIGH HANSON shall ensure that the safety monitor complies with the following requirements.
 - The safety monitor shall be competent to recognize fall hazards.
 - The safety monitor shall warn an employee when it appears that the employee is unaware of a fall hazard or is acting in an unsafe manner.
 - The safety monitor shall be on the same walking/working surface and within visual sighting distance of the employee being monitored.
 - The safety monitor shall be close enough to communicate orally with the employee being monitored.
 - The safety monitor shall not have other responsibilities that could take the monitor's attention from the monitoring function.
- Mechanical equipment shall not be used or stored in areas where safety-monitoring systems are being used to monitor employees engaged in roofing operations on low-slope roofs.
- No employee, other than an employee engaged in roofing work on a low-sloped roof or an employee covered by a fall protection plan, shall be allowed in an area where an employee is being protected by a safety monitoring system.
- Each employee working in a controlled access zone shall be directed to comply promptly with fall hazard warnings from safety monitors.

2.8. Inspections

- A. Before using any fall protection device, each employee shall personally make a visual inspection to determine that no parts of the device are damaged or defective. Defective components shall be removed from service. Formal inspections should be performed annually by a competent person. Annual inspections should be recorded in a centralized log book that includes serial number, date of purchase, dates of inspection, servicing performed and authorized signatures.
- B. Before using any of the following devices, the following checks should be performed:
 - Check **straps** for frayed edges, broken fiber, pulled stitches, cuts or chemical damage.
 - Check **D-rings and D-ring metal wear pads** for distortion, cracks, breaks, and rough or sharp edges. The D-ring bar should be at a 90 degree angle with the long axis of the belt and should pivot freely.

FALL PROTECTION (OSHA Operations)



- Check **buckles** to ensure tongues are free of distortion in shape and motion. Look for loose, broken or distorted grommets. Straps should not have additional punched holes. Rivets should be tight and not removable with fingers. Bent rivets will fail under stress.
- Check **friction buckles** for distortion. The outer bar or center bar must be straight.
- Check **snaphooks** to ensure there is no hook or eye distortion, cracks, corrosion or pitted surfaces. The keeper or latch of the hook should seat into the nose without binding and should not be obstructed. The force of the spring should adequately close the keeper. The hook must remain closed when locked.
- Check **thimbles** (the protective plastic sleeve spliced into ropes) to ensure they are firmly seated into the eye of the splice, and that the splice has no loose or cut strands.
- Check **web lanyards** for swelling, discoloration, cracks or breaks in the stitching. Do not use a web lanyard as part of the fall arrest system without a shock-absorbing device.
- Check **rope lanyards** for fuzzy, worn, broken or cut fibers. The rope diameter should be constant throughout the length of the lanyard. Changes in diameter may indicate a weakened area due to overloading. Do not use a rope lanyard as part of the fall arrest system without a shock-absorbing device.
- Check **shock absorbing packs** for burn holes or tears. Check the stitching on areas where the pack is sewn to the D-ring, belt, or lanyard for loose strands, rips or deterioration.

3. STATUTORY REFERENCES

- 3.1. 29 CFR § 1926 Subpart M – Fall Protection.
- 3.2. 29 CFR §1910.66 and §1926.502



Lockout Tagout Policy OSHA Operations

Effective Date	March 1, 2011		
Revision Date			
Approval		Date	02/18/11
Approval		Date	02/18/11

LOCKOUT TAGOUT (OSHA Operations)

1. CORPORATE POLICY, REQUIREMENTS AND PROCEDURES

1.1. Purpose – To establish requirements and procedures to prevent the unintended release of energy – electrical, potential, gravity, hydraulic, pneumatic, etc. – which may energize an electrical circuit or a machine or cause a machine or machine part to unexpectedly move or fall, causing injury to any employee.

1.2. Definitions

- A. **Affected Employee** – An employee whose job requires him/her to operate or use a machine or equipment on which servicing or maintenance is being performed under lockout or tagout, or whose job requires him/her to work in an area in which such servicing or maintenance is being performed.
- B. **Authorized Employee** – A person who locks out or tags out machines or equipment in order to perform servicing or maintenance on that machine or equipment. An affected employee becomes an authorized employee when that employee's duties include performing servicing or maintenance covered under this section.
- C. **Energy Isolation Device** – A mechanical device that physically prevents the transmission or release of energy, including but not limited to a manually operated electrical circuit breaker; a disconnect switch; a line valve; or a block, a chock or cribbing used to block or isolate energy.
- D. **Lockout** – The placement of a lockout device, such as a keyed lock, on an energy isolating device, in accordance with an established procedure, ensuring that the energy isolating device and the equipment being controlled cannot be operated until the lockout device is removed.
- E. **Lockout Device** – A device that utilizes a positive means such as a lock, either key or combination type, to hold an energy isolating device in the safe position and prevent the energizing of a machine or equipment. Included are blank flanges and bolted slip blinds.
- F. **Servicing and/or Maintenance** – Workplace activities such as constructing, installing, setting up, adjusting, inspecting, modifying, and maintaining and/or servicing machines or equipment. These activities include lubrication, cleaning or unjamming of machines or equipment and making adjustments or tool changes, where the employee may be exposed to the unexpected energization or startup of the equipment or release of hazardous energy.
- G. **Tagout** – The placement of a tag, in conjunction with a lockout device, on an energy isolating device, in accordance with an established procedure, to indicate the owner of the lockout device.
- H. **Tagout Device** – A prominent warning device, such as a tag and a means of attachment, which can be securely fastened to an energy isolating device in accordance with an established procedure, to indicate that the energy

LOCKOUT TAGOUT (OSHA Operations)

isolating device and the equipment being controlled may not be operated until the tagout device is removed.

1.3. Requirements

- A. LEHIGH HANSON shall make locks and tags available to all LEHIGH HANSON employees who might perform servicing and/or maintenance operations on machinery and/or equipment.
- B. Each person performing servicing and/or maintenance work on machinery and/or equipment shall apply his/her own lock and tag. The key to the lock shall be kept with them while they are performing the work on the machinery and/or equipment.
- C. Only one key shall be allowed for any locks used in the lockout tagout procedure. Master-keyed locks or match-keyed locks shall not be used in the procedure.
- D. No employee or contractor shall attempt to operate a switch, valve or other energy isolating device bearing a lock.
- E. A survey of each LEHIGH HANSON operation shall be conducted to identify the energy hazards that exist and where they are located. Specific energy control procedures (lockout/tagout procedures) shall be developed for each piece of equipment or machinery. (Refer to the sample of these procedures provided in this section. This sample and the accompanying blank form shall be used to develop and document site specific procedures for each machine or piece of equipment requiring an energy control procedure.) An alternative procedure format may be used upon approval of the Safety Department.
- F. The energy control procedures shall outline the scope, purpose, authorization, rules and techniques to be utilized for the control of hazardous energy, and the means to enforce compliance including but not limited to, the following:
 - A specific statement of the intended use of the procedure.
 - Specific procedural steps for shutting down, isolating, blocking and securing a machine or a piece of equipment to control hazardous energy.
 - Specific procedural steps for the placement, removal and transfer of lockout devices or tagout devices and the responsibility for them.
 - Specific requirements for testing a machine or a piece of equipment to determine and verify the effectiveness of lockout devices, tagout devices and other energy control measures.
- G. Energy control procedures need not be documented for a particular machine or piece of equipment when all of the following exist:

LOCKOUT TAGOUT (OSHA Operations)

- The machine or piece of equipment has no potential for stored or residual energy or reaccumulation of stored energy after shut down which could endanger employees.
 - The machine or piece of equipment has a single energy source, which can be readily identified and isolated.
 - The isolation and locking out of that single energy source will completely deenergize and deactivate the machine or piece of equipment.
 - The machine or piece of equipment is isolated from that single energy source and locked out during servicing or maintenance.
 - A single lockout device will achieve a locked-out condition.
 - The lockout device is under the exclusive control of the authorized employee performing the servicing or maintenance.
 - The servicing or maintenance does not create hazards for other employees.
 - The employer, in utilizing this exception, has had no accidents involving the unexpected activation or reenergization of the machine or equipment during servicing or maintenance.
- H. Energy control procedures shall be utilized for the control of potentially hazardous energy when employees are engaged in performing any servicing and/or maintenance work on powered machinery or equipment. If work is being performed on portable power tools, they should be physically disconnected from the energy source in preparation for the work.
- I. No person shall perform any servicing and/or maintenance work on powered machinery or equipment until all power sources have been de-energized and locked-out and tagged-out. This shall be accomplished by adhering to the following lockout tagout procedure:
- Only authorized employees shall lockout or tagout machines or equipment in order to perform servicing or maintenance on that machine or equipment.
 - All employees affected by the de-energizing of the equipment shall be notified of the application and removal of lockout/tagout devices. Notification shall be given before the controls are applied, and after they are removed from the machine or piece of equipment.
 - The type and source of energy/power needing to be de-energized and/or controlled shall be determined.
 - The equipment shall be shutdown by normal shut down procedures.

LOCKOUT TAGOUT (OSHA Operations)

- The power/energy source shall be de-energized or controlled by either "throwing" the respective power switch(es) or by removing the ignition key and/or battery leads.
 - Personnel energizing or de-energizing the power source by "throwing" the respective power switch shall stand to the side of the switchgear and look away to avoid possible injury in the event that the switchgear would explode.
 - The energy isolating devices shall be locked-out/tagged-out with individual locks and tags. **Note:** Combination locks are prohibited for use in any lockout procedure for all machines and equipment. Tags shall state "**Do Not Operate**" and shall identify the owner of the tag and associated lock.
 - The equipment shall be tested to ensure the energy/power source has been isolated. After ensuring that no personnel are exposed, check to ensure that energy sources are disconnected by operating the normal controls to make certain the equipment will not operate or move.
 - Return operating controls to the "neutral" or "off" position after the test.
 - The equipment is now locked-out and tagged-out and maintenance/repair operations can begin.
- J. No person shall perform any servicing and/or maintenance work on powered machinery or equipment until all energy sources have been isolated, locked-out and tagged-out by them personally to prevent the unintended release of energy – electrical, potential, gravity, etc., which may cause the machine or machine part to unexpectedly move or fall.
- This shall be accomplished by the lockout tagout procedure described above. Additionally, stored energy shall be dissipated or restrained by methods such as repositioning, blocking, bleeding down, etc.
- K. Whenever outside servicing and/or maintenance contractors are to be engaged in activities covered by the scope and application of energy control procedures covered in this section:
- LEHIGH HANSON and the outside contractor shall inform each other of their respective procedures.
 - LEHIGH HANSON shall ensure that his/her employees understand and comply with the restrictions and prohibitions of the outside contractor's energy control program.
- L. Upon completion of their assigned servicing and/or maintenance work and when they are no longer exposed to hazards which could result from an uncontrolled release of energy, individuals shall remove their own locks and tags.

LOCKOUT TAGOUT (OSHA Operations)

- M. Failure of an individual to remove his/her own lock and tag upon the completion of their assigned tasks, can result in the affected machinery or piece of equipment not being placed back into service in a timely and efficient manner. However, in emergency situations where the person who installed a lock and tag failed to remove their lock and tag and are unavailable, the following procedure shall be followed:
- Upon determining that all persons are removed from the affected area of the machinery or piece of equipment and that the maintenance/repair work has been completed, the plant manager can remove the lock and tag.
 - If the plant manager is not present at the site, the supervisor who is in charge shall contact the plant manager and obtain verbal approval to remove the lock and tag. Upon receipt of verbal approval, the lock and tag shall only be removed after determining that all persons are removed from the affected area of the machinery or piece of equipment and that the maintenance/repair work has been completed.
 - The following procedure shall be followed when restoring power/energy to machinery or a piece of equipment:
 - Upon completion of maintenance/repair operations and the equipment is ready for normal production operations, all guards shall be re-installed and all tools shall be removed from the machinery or piece of equipment.
 - The area shall be checked to ensure that all other employees have left the affected area of the machinery or piece of equipment, that no one will be exposed to a hazard which could result from an uncontrolled release of energy and that all locks and tags have been removed from the isolation devices.
 - The energy isolating devices shall be operated to restore energy to the machine or piece of equipment.

1.4. Training

- A. Authorized employees will be instructed in the recognition of applicable hazardous energy sources, the type and magnitude of the various energy sources found in the workplace, the acceptable lockout tagout procedures necessary for energy isolation and control, procedures for removing locks and tags and procedures for restoring energy.
- B. Affected employee shall be instructed in the purpose and use of the energy control procedures. All other employees whose work operations are or may be in an area where energy control procedures may be utilized, shall be instructed about the procedure and about the prohibition relating to attempts to restart or re-energize machines or equipment which are locked out or tagged out.

LOCKOUT TAGOUT (OSHA Operations)

- C. Retraining will be provided when there is a change in job assignment, a change in equipment or processes that would create a new hazard or a change would occur in the company's lockout tagout policy.
 - D. Lockout Tagout will be a periodic safety-training topic.
- 1.5. Monitoring and Enforcement** – The plant manager, his designee and other LEHIGH HANSON managers, when present, shall be responsible for implementation and enforcement of this policy. Failure to follow established lockout tagout procedures shall result in an employee receiving a safety violation notice, loss of safety incentive and/or disciplinary action up to and including termination of employment.
- A. **Any person who removes the lock of another person without proper authorization shall be immediately suspended, with the potential for subsequent discharge.**
 - B. **Failure by any person to lockout and tagout machinery or a piece of equipment, prior to performing maintenance/repair operations, shall be immediately suspended, with the potential for subsequent discharge.**
- 1.6. Recordkeeping**
- A. The plant manager or his designee shall maintain all records including energy control procedures, annual inspections and training records.
 - B. Training shall be documented by means of LEHIGH HANSON "Training Documentation Forms" and/or LEHIGH HANSON "Safety Meeting Forms" and a copy shall be placed in each employee's file (see Training section of this manual). Training records shall be retained for a period of three years from the date of the training and shall include the following information:
 - Employee's name.
 - Date of training.
 - Outline describing the training material.
 - Signature of trainer documenting that training was provided.
 - Signature of employee documenting that training was received.
- 1.7. Annual Review and Inspection**
- A. The Lockout Tagout Policy annual plan review shall include an inspection of all energy control procedures to ensure that the procedure and all regulatory and company requirements are being followed.
 - B. The plant manager and respective Safety Department shall be responsible for ensuring that the inspections are completed annually, for ensuring that the energy control procedures are updated in accordance with the findings of the inspections and for documenting/certifying the completion of the review process. All completed reviews shall be documented/certified by completing

LOCKOUT TAGOUT (OSHA Operations)

the form entitled "Lockout Tagout Inspection Checklist," included in this section.

- The certification shall identify the machine or equipment on which the energy control procedure was being utilized, the date of the inspection, the employees included in the inspection and the person performing the inspection.
- An authorized employee other than the one(s) utilizing the energy control procedure being inspected shall perform the periodic inspection.
- The periodic inspection shall be conducted to correct any deviations or inadequacies identified.
- The annual inspection shall include a review, between the inspector and each authorized employee, of that employee's responsibilities under the energy control procedure being inspected.
- In isolated cases, where lockout is not possible and only tagout is used for energy control, the annual inspection shall include a review, between the inspector and each authorized and affected employee, of that employee's responsibilities under the energy control procedure being inspected, and the limitation of tags.
- Employees found to be in violation of the lockout procedures will be retrained and shall be subject to disciplinary procedures.

2. STATUTORY REFERENCES

- 2.1. 29 CFR § 1910.147 – The control of hazardous energy (lockout/tagout).
- 2.2. 29 CFR § 1910.333 – Selection and use of electrical work practices.

LOCKOUT TAGOUT (OSHA Operations)

ENERGY SOURCE PROCEDURES (Included in this Section)

1. MAIN AGGREGATE HOPPER
2. MAIN AGGREGATE HOPPER SUMP PUMP
3. MAIN AGGREGATE CONVEYOR, TRANSFER CHUTE AND CAST AGGREGATE CONVEYOR
4. MACHINE PLANT ROTARY TURNCHUTE
5. CAST PLANT ROTARY TURNCHUTE
6. MACHINE PLANT BATCH TOWER
7. CAST PLANT BATCH TOWER
8. MACHINE PLANT SILO BAGHOUSE
9. CAST PLANT SILO BAGHOUSE
10. MACHINE PLANT SILO BUTTERFLY VALVE AND SCREW CONVEYOR
11. CAST YARD SILO BUTTERFLY VALVE AND SCREW CONVEYOR
12. MACHINE PLANT WEIGH HOPPER CLAMGATE
13. CAST PLANT WEIGH HOPPER CLAMGATE
14. MACHINE PLANT AGGREGATE HOPPER FLOP-CHUTE
15. CAST PLANT AGGREGATE REVERSING CONVEYOR
16. MACHINE PLANT MIXER BAGHOUSE
17. CAST PLANT MIXER BAGHOUSE
18. PH 60 MIXER
19. PH 84 MIXER
20. CAST PLANT MIXER
21. PH 60 MIXER CONVEYOR
22. PH 84 MIXER CONVEYOR
23. PH 60 PIPE MACHINE
24. PH 84 PIPE MACHINE
25. RADIAL STACKER AND PH 84 MUDHOPPER CONVEYOR
26. PH 84 PIT CONVEYOR
27. PH 84 WASTE CONVEYOR
28. DRY CAST MATERIAL CONVEYOR
29. DRY CAST MUDHOPPER CONVEYOR
30. DRY CAST RADIAL CONVEYOR
31. ROBBINS & MEYERS 7½ TON BRIDGE CRANE
32. DRESSER 25-TON BRIDGE CRANE
33. YORK-SHIPLEY BOILER
34. PH 60 MOVING FLOOR AND CURING SYSTEM
35. PH 84 STEAM CURING SYSTEMS
36. OUTSIDE CURING STATIONS
37. WIRE ROLLER MACHINES
38. HYDRAULIC BENDER
39. WELDING EXHAUST FANS

LOCKOUT TAGOUT (OSHA Operations)

HCP ENERGY CONTROL PROCEDURE

Hanover Pipe Plant

Machine Name: Main Aggregate Hopper Location: Raw Material Receiving Area

SPECIAL NOTES: THE BALL-VALVE LOCKOUT FOR THE AIR OPERATED HOPPER VIBRATOR AND CLAMGATE IS LOCATED BEHIND THE PH84 MIXER ON THE NORTH/CENTRAL WALL OF THE MACHINE PLANT. WORK THAT REQUIRES ENTRY INTO THE MAIN AGGREGATE HOPPER WILL CONFORM WITH HCP CONFINED SPACE ENTRY PROCEDURES. ALL GUARDING MUST BE IN PLACE WHEN EQUIPMENT IS IN OPERATION. GUARDS MAY NOT BE REMOVED OR BY-PASSED WITHOUT PROPER LOCK-OUT/TAG-OUT PROCEDURES.

ENERGY SOURCES APPLICABLE TO THIS EQUIPMENT

ELECTRICAL ☒ HYDRAULIC ☐ MECHANICAL ☒ THERMAL ☐ PNEUMATIC ☒
STEAM ☐ WATER ☐ ELEVATED MACHINE MEMBERS ☐ SPRINGS ☐
COMPRESSED GAS ☐ RADIO FREQUENCY ☐ OTHER ☒: Block feed access

LOCKOUT/TAGOUT PROCEDURE – NOTIFY ALL AFFECTED INDIVIDUALS AND PROCEED AS FOLLOWS. NOTIFY MANAGEMENT IN THE EVENT OF ANY ABNORMAL SITUATION

1. SHUT OFF HOPPER VIBRATOR/CLAMGATE AND WAIT UNTIL *ALL COMPONENTS ARE COMPLETELY STOPPED*.
2. SHUT OFF THE MAIN AGGREGATE CONVEYOR DISCONNECT. BLOCK OR CHAIN ANY PORTIONS OF THE MACHINE WHERE REQUIRED. BLEED OFF ANY PNEUMATIC PRESSURE IN LINES.
3. LOCK AND TAGOUT THE PNEUMATIC (AIR) BALL VALVE AND MAIN AGGREGATE DISCONNECT. *TEST ALL CONTROLS PRIOR TO BEGINNING WORK.*
4. MACHINE IS NOW SAFE, PROCEED WITH REPAIR OR ADJUSTMENT.
5. COMPLETE TASK, DOUBLE CHECK REPAIR WORK OR MACHINE ADJUSTMENT.
6. CLEAR AREA OF TOOLS AND EQUIPMENT, NOTIFY ALL AFFECTED EMPLOYEES OF IMPENDING RESTART OF MACHINE OR EQUIPMENT.
7. REMOVE LOCKOUT-TAGOUT DEVICES.
8. PROCEED WITH RESTART OF MACHINE OR EQUIPMENT.

ENERGY CONTROL DEVICES NEEDED:

LOCK(S) ☒ TAG(S) ☒ HASP(S) ☐ PLUG COVER BOX ☐
CHAIN ☐ BLOCK ☐ PIN ☐ OTHER(S) ☐: _____

Section Q

- a) Broward County Environmental Protection and Growth Management Department
 - b) Issued on 8/10/2018
 - c) Excessive visible emissions were observed originating from the ship unloading operations at the Port Everglades facility.
 - d) Please refer to attached letters.
 - e) Closure letter closing out the warning letter is forthcoming.
 - f) None to date and none are expected.
 - g) The following revised set of corrective actions was mailed to the County on 12/21/18.
- 1. Daily monitoring of Unloading and Control System:
 - a. Water fogging system is started before any start of unloading operations and stays in operation during the entire unloading operations. Inspection records are completed and reviewed.
 - b. Routine inspections while the unloading system is in operation of all key unloading and control systems (such as fogging system, covered conveyor, screw conveyors, and associated baghouses) are occurring. Inspection records are completed and reviewed.
 - c. Training and Clear communication has been conducted regarding the requirement that unloading operations will be stopped immediately in the event of any equipment malfunction causing increased emissions.
 - 2. Pavement of certain Facility areas:
 - a. Sweeper is being operated to minimize any fugitive dust emissions. A Log is completed and reviewed to validate its operation.
 - b. Unpaved areas are being watered by hand during high wind conditions until we complete the engineering, approval and installation of additional paving.
 - c. We have engaged an engineering group to perform necessary water shed surveys and concrete designs for Port Authority's approvals regarding additional paving.
 - 3. Belt Conveyor Controls:
 - a. Two portable dust collectors have been purchased and installed on the material transfer belt conveyor to minimize any fugitive dust emissions. These dust collectors are started before any start of unloading operations and stays in operation during the entire unloading operations. Inspection records are completed and reviewed.
 - b. Entire belt conveyor is enclosed with tarps to minimize any fugitive dust emissions. Tarps are inspected daily, and any needed repairs are made immediately. Inspection records are completed and reviewed.
 - 4. Vessel unloading controls:
 - a. We have worked with the Port Authority and Ship Owners to have the Ships turned after unloading of approximately ½ of the Ship hold to allow access to both sides of the hold. Access to both sides of the ship provides the ability to minimize potential for "high walls" of material from "sluffing" and minimize any fugitive dust emissions.
 - b. We are working to get agreement to turn the ships as part of our ship nomination with the ship owners.
 - 5. Improvement to the Fogging System:
 - a. We are working with the manufacturer of the fogging system for any further recommendations for improvements.
4. We are confident that these corrective actions will continue to address the concerns sustainably. We are continuing to work with County and will provide next update by April 1, 2019. CFM is committed to operating our facility in compliance with our permit requirements.



Environmental Protection and Growth Management Department
ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION
One North University Drive, Suite 102-A, Plantation, Florida 33324
954-519-1483 • FAX 954-519-1412

WARNING NOTICE

Page 1 of 2

WARNING NOTICE NUMBER: WRN18-0202

Pursuant to Chapter 27 of the Broward County Code of Ordinances ("Code" or "BCC"), the Environmental Protection and Growth Management Department (Department) has the authority and duty to control and regulate activities and facilities which adversely affect the air, water, soil and other natural resources of Broward County.

The Department certifies that it has just grounds to believe that on or about July 16, 2018, at the location below, the following Respondent(s) was/were in violation of the sections of the Broward County Code identified in each count:

Location: 2600 EISENHOWER BLVD
Fort Lauderdale, FL 33316

COUNT 1: Respondent: Continental Florida Materials, Inc. (Lehigh Cement)

Violated Section 27-175(h), BCC, which states:

"... No person shall cause, let, permit, suffer, or allow the emissions of particulate matter, from any source whatsoever, including but not limited to vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing, handling, surface coating, or surface preparation without taking reasonable precautions to prevent such emission, as described in Subsection 27-177(b) of this article."

By: Causing, permitting, suffering or allowing ship unloading operations to generate significant unconfined emissions which are adversely impacting neighboring Port Everglades operations in violation of Air permit 0111012-006-AF, Section 3, Facility Wide Condition 5, Unconfined Emissions of Particulate Matter, which states: 1. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.

Corrective Action:

Respondent shall:

- 1) Immediately correct or halt situations that endanger public health or the environment.
- 2) Within thirty (30) days of receipt of this notice, submit to this office a corrective plan of action to contain unconfined emissions within property boundary and prevent impact to surrounding areas.

Correct within 30 day(s) of service of this notice.

WARNING NOTICE NUMBER: WRN18-0202

Page 2 of 2

Accordingly, the Respondent(s) is/are hereby advised to correct and respond to the aforesaid allegation(s) within the time period identified in each count above, or by advising the Department of any circumstances which it believes make this/these allegation(s) inapplicable.

Failure to comply with this Warning Notice may result in the issuance of a Notice of Violation and a Notice of Hearing to Assess a Civil Penalty. Pursuant to a Notice of Violation, a Civil Penalty in an amount up to \$15,000.00 per violation per day may be levied by a Hearing Examiner.

Your response or any questions concerning this Warning Notice should be directed to Art Pennetta at phone: (954) 519-1428, FAX: (954) 519-1495 or email: apennetta@broward.org.

Issued By: W. Gail Custode, Senior Program Coordinator
Enforcement Administration
Environmental Engineering and Permitting Division
Issued Date: 08/10/2018

Registered Agent/Mailed To:

Corporation Service Company
(for Continental Florida Materials, Inc. (Lehigh Cement))
1201 Hays Street
Tallahassee, FL 32301-2525
RRR: 7016 2070 0000 2851 5985



Continental Florida Materials, Inc.
Port Everglades Terminal
2600 Eisenhower Blvd.
Fort Lauderdale, FL 33316

December 21, 2018

Mr. Art Pennetta, Compliance Manager
Broward County Environmental Protection and Growth Management Department
Environmental Engineering & Permitting Division
One North University Drive, Mailbox 201
Plantation FL 33324

Re: Follow-up to September 7, 2018 response to Broward County Notice No. WRN18-0202
Continental Florida Materials, Inc. – Port Everglades Terminal
2600 Eisenhower Blvd, Fort Lauderdale, FL 33316
Air Operation Permit No. 0111012-006-AF

Dear Mr. Pennetta:

Thank you for taking time to come to our facility on December 17, 2018, to review the corrective action(s), as detailed in our September 7, 2018 response, that we have instituted to contain unconfined emissions within property boundary and prevent impact to surrounding areas.

There have been no complaints in the last two (2) months, and we believe that our instituted corrective action(s) along with collaborative work with your Department and Port Authority are effective in sustainably addressing the concerns. We would request your review and approval to close out the Broward County Notice No. WRN18-0202.

Following are further details of the corrective action(s):

1. Daily monitoring of Unloading and Control System:
 - a. Water fogging system is started before any start of unloading operations and stays in operation during the entire unloading operations. Inspection records are completed and reviewed.
 - b. Routine inspections while the unloading system is in operation of all key unloading and control systems (such as fogging system, covered conveyor, screw conveyors, and associated baghouses) are occurring. Inspection records are completed and reviewed.
 - c. Training and Clear communication has been conducted regarding the requirement that unloading operations will be stopped immediately in the event of any equipment malfunction causing increased emissions.
2. Pavement of certain Facility areas:
 - a. Sweeper is being operated to minimize any fugitive dust emissions. A Log is completed and reviewed to validate its operation.
 - b. Unpaved areas are being watered by hand during high wind conditions until we complete the engineering, approval and installation of additional paving.

- c. We have engaged an engineering group to perform necessary water shed surveys and concrete designs for Port Authority's approvals regarding additional paving.
- 3. Belt Conveyor Controls:
 - a. Two portable dust collectors have been purchased and installed on the material transfer belt conveyor to minimize any fugitive dust emissions. These dust collectors are started before any start of unloading operations and stays in operation during the entire unloading operations. Inspection records are completed and reviewed.
 - b. Entire belt conveyor is enclosed with tarps to minimize any fugitive dust emissions. Tarps are inspected daily, and any needed repairs are made immediately. Inspection records are completed and reviewed.
- 4. Vessel unloading controls:
 - a. We have worked with the Port Authority and Ship Owners to have the Ships turned after unloading of approximately ½ of the Ship hold to allow access to both sides of the hold. Access to both sides of the ship provides the ability to minimize potential for "high walls" of material from "sluffing" and minimize any fugitive dust emissions.
 - b. We are working to get agreement to turn the ships as part of our ship nomination with the ship owners.
- 5. Improvement to the Fogging System:
 - a. We are working with the manufacturer of the fogging system for any further recommendations for improvements.

We are confident that these corrective actions will continue to address the concerns sustainably. We will keep you posted on our progress and will provide next update by April 1, 2019. CFM is committed to operating our facility in compliance with our permit requirements, and we appreciate us being able to work collaboratively with your Department.

Please call (502) 548-0538 (Cell) or email (paul.stewart@lehighhanson.com) for any further assistance.

Sincerely,

Paul Stewart

Paul Stewart
Director of Terminal Operations and Logistics

cc: Lalit Bhatnagar, Director – Environment, Safety & Health
Jack Garvey, Area Environmental Manager
Carlos Gonzalez, Port Everglades Terminal Manager



Continental Florida Materials, Inc.
Port Everglades Terminal
2600 Eisenhower Blvd.
Fort Lauderdale, FL 33316

September 7, 2018

Mr. Art Pennetta, Compliance Manager
Broward County Environmental Protection and Growth Management Department
Environmental Engineering & Permitting Division
One North University Drive, Mailbox 201
Plantation FL 33324

Re: Response to Broward County Notice No. WRN18-0202
Continental Florida Materials, Inc. – Port Everglades Terminal
2600 Eisenhower Blvd, Fort Lauderdale, FL 33316
Air Operation Permit No. 0111012-006-AF

Dear Mr. Pennetta:

Please accept this letter as our response to the abovementioned notice by your Department within thirty (30) days of service of this notice on September 17, 2018. Further, CFM has immediately instituted corrective action(s) detailed in your notice and have continued to work on the corrective plan of action to contain unconfined emissions within property boundary and prevent impact to surrounding areas.

Following are further details of the corrective plan of action:

1. Daily monitoring of Unloading and Control System - The facility unloads vessels utilizing a mechanical unloader manufactured by Siwertell. The company uses BACT (Best Available Control Technology) for dust control by operating a water fog generation system at the vessel that captures the dust particles as they rise above the cargo holds and by using land-based dust control equipment as necessary as the product is conveyed from the vessel to the storage silos. We will ensure use of the BACT equipment for unloading, and that all key unloading and control systems (such as fogging system, covered conveyor, screw conveyors, and associated baghouses) are inspected and maintained, to minimize or eliminate the unconfined emissions of particulate matter. Inspection records will be maintained. Unloading operations will be stopped by facility personnel in the event of any equipment malfunction causing increased emissions.
2. Pavement of certain Facility areas – While most areas of the facility are paved, we are working with Port Authority to further pave certain unpaved portions of the facility. We are continuing the use and upgrade frequency of dust suppression and sweeping service to minimize any fugitive dust emissions from our facility as needed.

We are confident that these corrective actions will address the concerns. However, we are further engaging an engineering company to review and address any improvements that we can make to our unloading and control system. We will keep you posted of our progress, also.

CFM is committed to operating our facility in compliance with our permit requirements and we appreciate us being able to work collaboratively with your Department.

Please call (502) 548-0538 (Cell) or email (paul.stewart@lehighhanson.com) for any further assistance.

Sincerely,

Paul Stewart
Director of Terminal Operations and Logistics

cc: Lalit Bhatnagar, Director – Environment, Safety & Health
Jack Garvey, Area Environmental Manager
Carlos Gonzalez, Port Everglades Terminal Manager

Exhibit 1

**BEFORE THE HEARING EXAMINER FOR THE BROWARD COUNTY
ENVIRONMENTAL PROTECTION AND GROWTH MANAGEMENT DEPARTMENT
IN AND FOR BROWARD COUNTY, FLORIDA**

BROWARD COUNTY,

Petitioner,

vs.

**NOTICE OF VIOLATION
NOV19-0004**

LEHIGH HANSON CEMENT SOUTH LLC,

Respondent.

_____ /

JOINT MOTION FOR AGREED FINAL ORDER

BROWARD COUNTY ("County") and LEHIGH HANSON CEMENT SOUTH LLC ("Respondent" as the successor-in-interest to original Respondent CONTINENTAL FLORIDA MATERIALS, INC.) (County and Respondent are collectively referred to as the "Parties"), hereby file this Joint Motion for Agreed Final Order in the above-styled case pursuant to Subsection 27-21(d) of the Broward County Code of Ordinances ("Code") and state as follows:

- 1. This cause had been set for a hearing before a Hearing Examiner on August 27, 2020, to determine whether the Respondent violated Section 27-175(h) of the Code, which states:**

"... No person shall cause, let, permit, suffer, or allow the emissions of particulate matter, from any source whatsoever, including but not limited to vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing, handling, surface coating, or surface preparation without taking reasonable precautions to prevent such emission, as described in Subsection 27-177(b) of this article."

- 2. Notice of Violation NOV19-0004 alleged that at 2600 Eisenhower Blvd. Fort Lauderdale FL 33316, Respondent caused, permitted, suffered, or allowed ship unloading operations to generate unconfined particulate emissions without taking reasonable precautions to prevent such emissions in violation of Air Permit 0111012-006-AF, Section 3, Facility Wide Condition 5, Unconfined Emissions of Particulate Matter.**

**JOINT MOTION FOR AGREED FINAL ORDER
NOTICE OF VIOLATION NO: NOV19-0004
RESPONDENT: LEHIGH HANSON CEMENT SOUTH LLC**

3. In furtherance of possible resolution of this action without the need for a hearing, the Parties have agreed to the terms of the proposed Agreed Final Order, attached as Exhibit A. The Parties acknowledge that they have had the opportunity to seek and receive whatever competent advice and counsel as was necessary for them to form a full and complete understanding of all rights and obligations which attach by entry of the proposed Agreed Final Order.

WHEREFORE, the Parties request that the Hearing Examiner enter the proposed Agreed Final Order and promptly render it in the files of the County.

Respectfully submitted by the Parties on this _____ day of _____, 20____.

RESPONDENT

LEHIGH HANSON CEMENT SOUTH LLC

By: 
(Signature)

Print Name: Philip Detwiler

Title: VP/GM Cement Sales SE

Company: Lehigh Hanson Cement South

PETITIONER

Andrew J. Meyers
Broward County Attorney
Governmental Center, Suite 423
115 South Andrews Avenue
Fort Lauderdale, Florida 33301
Telephone: (954) 357-7600
Telecopier: (954) 357-6968

By: _____
Michael C. Owens, Esq.
Senior Assistant County Attorney
Florida Bar No. 995525
Primary Email mowens@broward.org
Secondary Email gbusacca@broward.org
Counsel for Broward County

Exhibit A

**BEFORE THE HEARING EXAMINER FOR THE BROWARD COUNTY
ENVIRONMENTAL PROTECTION AND GROWTH MANAGEMENT DEPARTMENT
IN AND FOR BROWARD COUNTY, FLORIDA**

BROWARD COUNTY,

Petitioner,

vs.

**NOTICE OF VIOLATION
NOV19-0004**

LEHIGH HANSON CEMENT SOUTH LLC,

Respondent.

_____ /

AGREED FINAL ORDER

THIS CAUSE having come before the undersigned Hearing Examiner for the Broward County Environmental Protection and Growth Management Department ("Department") on the joint motion of BROWARD COUNTY ("County") and LEHIGH HANSON CEMENT SOUTH LLC ("Respondent" as the successor-in-interest to original Respondent CONTINENTAL FLORIDA MATERIALS, INC.) (County and Respondent are collectively referred to as the "Parties"), and having been advised in the premises, the Parties' Joint Motion for Agreed Final Order is hereby GRANTED and the following is hereby ORDERED:

Respondent shall pay a civil penalty of \$56,500 and administrative costs of \$300 for a total of \$56,800 within thirty (30) days from the date that this Agreed Final Order is rendered in the County's files.

Corrective Actions:

Respondent has implemented several measures to reduce the generation of unconfined particulate emissions created from the unloading of material at Port Everglades. These measures include: 1) daily monitoring of unloading operations with routine inspections of unloading equipment and completed and reviewed inspection reports; 2) training and clear communication that unloading operations will be stopped immediately in the event of equipment malfunction results in increased emissions; 3) pavement of areas to minimize dust emissions; 4) use of dust collectors and tarps to minimize fugitive dust emissions on the material transfer belt conveyor; 5) vessel unloading controls that allow

**AGREED FINAL ORDER
NOTICE OF VIOLATION NO: NOV19-0004
RESPONDENT: LEHIGH HANSON CEMENT SOUTH LLC**

ships to be turned after unloading one half (½) of the ship hold to allow access to both sides of the hold in order to minimize fugitive dust emissions; and 6) Use of water cannons/fogging systems to minimize dust emissions. Respondent shall maintain the use of these measures in a manner sufficient to reasonably prevent fugitive emission of particulate matter unless Broward County Environmental Protection and Growth Management Department staff confirm in writing that one or more of these measures is no longer necessary due to replacement of equipment or other changes in Respondent's facility or practices that make such measures unnecessary or impractical.

The Parties agree that these amounts and corrective actions are reasonable and shall not contest them in any subsequent action, except that the County reserves the right to enforce the Agreed Final Order. Any extensions to the time frames identified in this Agreed Final Order must be approved by the County in writing.

The Parties have agreed to waive their rights to an administrative hearing in this action as set forth in Section 27-32 of the Code, except as to an action for enforcement of this Agreed Final Order.

Entry of this Agreed Final Order does not relieve Respondent of its need to comply with all applicable federal, state, or local laws; regulations; or ordinances. Respondent recognize their responsibility to take all reasonable measures necessary to prevent future violations of Chapter 27 of the Code. County hereby expressly reserves the right to initiate appropriate legal action to prevent or prohibit the future violation of applicable statutes or regulations or to alleviate an immediate serious danger to the public health, safety, or welfare.

Respondent acknowledges and agrees that failure to comply with this Agreement may result in the denial, suspension, or revocation of any license, permit, or approval pending or held by Respondent that is issued by the Department, pursuant to the Code.

County does not waive the provisions of Subsections 27-4(20), 27-55(d)(7), and 27-63(b)(6) of the Code regarding habitual violators; Subsection 27-22(a)(5) of the Code regarding history of noncompliance; and Subsection 27-38(d) of the Code regarding habitual citation violators. This Agreed Final Order shall be considered a settlement agreement for the purpose specified in Subsection 27-4(20) of the Code.

(Remainder of page intentionally blank)

**AGREED FINAL ORDER
NOTICE OF VIOLATION NO: NOV19-0004
RESPONDENT: LEHIGH HANSON CEMENT SOUTH LLC**

The Parties acknowledge that they have had the opportunity to seek and receive whatever competent advice and counsel as was necessary for them to form a full and complete understanding of all rights and obligations that attach by entry of this Agreed Final Order. The terms and language agreed to express the Parties' mutual intent and this Agreed Final Order shall not, solely as a matter of judicial construction, be construed more severely against one of the Parties than the other because of such party's preparation of this Agreed Final Order.

DONE and ORDERED this _____ day of _____, 20__.

Renee Clark, Esq.
Hearing Examiner

Environmental Policy



Our Goal

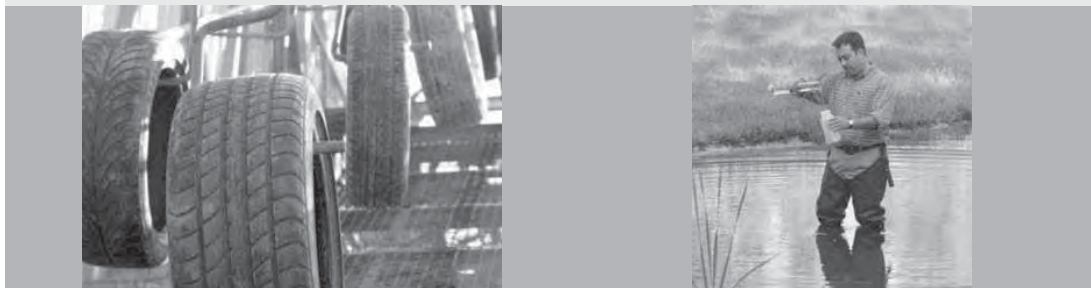
Our goal is steady and sustainable development. As a consequence environmental protection is a key principle of all the business lines of HeidelbergCement.

Environmental protection benefits everyone: our communities, customers, employees and future generations.

Ecologically sound processing techniques, environmental performance and durability of the finished products are decisive factors in achieving sustainability and help to improve the quality of life through prolonged building and infrastructure durability.

We therefore:

- follow relevant environmental legislation, internal guidelines, standards and requirements and external requirements to which we have subscribed
- take a pro-active and long term view on environmental matters
- continuously improve environmental performance.



Our commitment

Our path towards sustainability is based on:

Conservation/Protection of natural resources

- We preserve natural resources – the basis of our economic activity and where feasible substitute natural resources with waste-derived alternative raw materials and fuels. We strive to renaturalize or to recultivate our quarries after completion of mineral extraction.

Abatement of climate change through reducing carbon dioxide (CO₂) emissions

- We monitor, assess and report CO₂ emission at all our cement plants in accordance with the Carbon Dioxide Protocol of the World Business Council for Sustainable Development. We set targets to continuously reduce specific CO₂ emissions.

Reduction of process related emissions

- We measure performance and set reduction targets for dust, nitrogen oxides (NO_x) and sulphur dioxides (SO₂) for the main sources.

Innovation

- We actively participate in product development to meet the requirements of sustainable construction.

Our approach

We want to become more sustainable through:

- continuous improvement of production processes and product quality
- technological innovation in an eco-efficient manner
- installation of Environmental Management System in the cement plants.
- improvement of knowledge management and training.
- sharing best practices to enhance environmental performance

In that context, constructive dialogue with our employees and communities is crucial and a prerequisite for our success. Cooperation and new ideas help us to find new ways of contributing to sustainable development.



Our role and responsibility

The Managing Board has developed this policy for Group Environmental matters. This policy will be implemented as follows:

- Group Environmental Committee will coordinate environmental issues at Group level supported by several advisory teams.
- All managers will implement this policy in their locations and areas of responsibility. Technical advisers will provide the necessary support.
- All employees are responsible for operating in an environmentally safe and responsible manner and to protect the environment that may be affected by their actions.

With this Environmental Policy we support our commitment towards Sustainable development in line with the scope of the Cement Sustainability Initiative of the World Business Council for Sustainable Development.



for better building

HeidelbergCement is a founding member of the CSI. For more information, visit the internet homepages of the World Business Council for Sustainable Development (WBCSD - www.wbcsd.org) and the Cement Sustainability Initiative (www.wbcsdcement.org).

Contact and Further Information

Dr. Bernd Haegermann
HeidelbergCement Technology Center GmbH
Peter-Schuhmacher-Str. 8
69181 Leimen
Germany

www.heidelbergcement.com

HEIDELBERGCEMENT

Section R

Lehigh Hanson Cement South LLC (“LHCS”) and its predecessor companies including Continental Florida Materials Inc. (“CFM”) and Civil and Marine, Inc. (“CMI”) have been operating in Port Everglades, as well as other Florida seaports (Cape Canaveral and Jacksonville), for thirty-nine (39) years as cement importers and distributors. LHCS has been a primary source of cement for the east coast of Florida.

The core business activity of LHCS is the commercialization in the Florida market of Portland and slag cements, primarily in bulk form. The company is a self-provider of the required stevedore activities to move the material into their storage silos. The named cementitious materials are procured from parent companies with global marketplace footprint, given the company the advantage of being part of a logistics network better protected from overall market conditions.

The performance of the company strongly correlates with the construction industry in the state of Florida as a whole. Through several business cycles, including the economic downturn at the beginning of the century, the company has been able to maintain sustainable operations.

Just in the last five years, we have shipped close to 2.5 Million tons of product from the terminal, with volumes increasing by almost 70% during that time span.

The PCA (Portland Cement Association) is forecasting positive growth in cement consumption in the coming years. LHCS is expected to benefit from this economic growth, in pace with the historical trend at Port Everglades.