

Krome Quarry Modification Exhibit Package

(P.H. No. Z2018-000140)

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Florida Department of Transportation

RICK SCOTT
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

OFFICE OF THE
SECRETARY

February 28, 2011

Mr. Mark LaFerrier
Department of Planning and Zoning, Miami-Dade County
Zoning Hearing Section
111 North West First Street, 11th Floor
Miami, Florida 33128

Re: Santa Fe Haciendas Zoning Application, P.H. No. 09-176
(Process Number Z2009000176)

Dear Mr. Mark LaFerrier:

It has come to my attention Santa Fe Haciendas and Cemex, Inc. has a pending application for an unusual use approval for a limestone mining expansion to supply material to their Florida Department of Transportation (FDOT) approved Source 87089 on Krome Avenue, Miami, Florida.

Because of its strategic location along the CSX rail corridor, Cemex's Krome mine has historically been a valuable supply source of construction aggregates to rail redistribution terminals in the following areas: Orlando, Jacksonville, Tampa, Daytona, Gainesville, Ocala, Mulberry, and Largo. This successful network is essential to the continuance of FDOT's road and bridge construction work program commitments across a large portion of the state.

This property is the only remaining significant upland (non-jurisdictional by US Army Corps of Engineers) tract, which is also outside of the Lake Belt. Krome is the only mine that was able to operate fully during the Lake Belt shutdown period. It has always been a critical supply link and that is even more so if something were to interrupt the Lake Belt mining again.

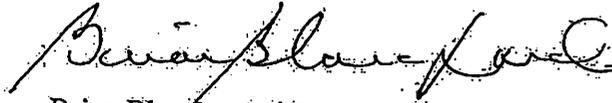
In order for Florida to maintain its economic growth and quality of life, the state must continue to improve its transportation infrastructure. A stable supply of all types of aggregate, including Miami limestone, is important to that effort and to ensure that road projects as well as private developments may move forward without delay.

Mr. Mark LaFerrier
February 28, 2011
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Without locally available sources, the only viable alternative is to acquire this material from other states or countries. These sources are often more costly and delivery is sometimes not reliable. This project will fulfill a critical need for aggregate material and is located for convenient transport of the material north to where it is needed.

I hope you find this information useful in your deliberations. If you have any questions, please contact me at 850-414-5240.

Sincerely,



Brian Blanchard, P.E.
Chief Engineer

BB/jsi

cc: The Honorable Joe Martinez, Chair



United States Department of the Interior
NATIONAL PARK SERVICE



Everglades and Dry Tortugas National Parks
40001 State Road 9336
Homestead, Florida 33034

In Reply Refer to:

L30

July 18, 2011

Clerk of the Board, Suite 17-202
Stephen P. Clark Center
111 NW First Street
Miami, Florida 33128

Re: Process Number Z2009000176
Santa Fe Haciendas, LLC & CEMEX Construction Materials Florida, LLC

Dear Board of County Commissioners:

Santa Fe Haciendas, LLC has submitted an application to Miami-Dade County requesting an unusual use to permit a lake excavation on a site that is currently zoned for agriculture. The boundary of Everglades National Park is located approximately 2700 feet from the western edge of the excavation proposed in Phase 1 of the operation and approximately 700 feet from the western edge of the excavation proposed in Phase 2 of the operation. Given the proximity of this proposed excavation to Everglades National Park, we are concerned that the proposed excavation may have adverse impacts on the natural resources of the Park. It is our understanding that the current hearing process will only address Phase 1 of the operation; however, we have analyzed both phases of the proposal and have focused our assessment on potential impacts to Everglades National Park.

With respect to lake excavations east of Everglades National Park, technical analyses produced by the South Florida Water Management District (1998) and mining industry consultants (MacVicar, Frederico, & Lamb, 1997) indicate that the amount of seepage increases as lakes are located closer to the boundary of the Park. This seepage increase impacts hydrologic conditions in the adjacent wetlands/marshes of the Park and also impacts the ability to provide water downstream to protect eastern watersheds of the Park (e.g., supplying water to the downstream C-111 Detention Areas and the C-111 Spreader Canal Phase 1 Project). Based on these technical analyses and our assessment of potential impacts to the Park associated with the subject application, we support Phase 1 lake excavation that is no closer than 2,700 feet from the boundary of the Park.

The Park is also supportive of a condition, recommended by Miami-Dade County Department of Environmental Resources Management (DERM) (March 10, 2011), that a seepage management plan must be submitted to, and approved by, DERM prior to any excavation closer than 2,700 feet from the Park boundary. However, we recommend that the following three conditions should also be included in the permit:

1. The submitted seepage management plan must demonstrate that Phase 2 excavation will have no detrimental impacts on wetlands/marshes in Everglades National Park;
2. Prior to any excavation closer than 2,700 feet from the Park boundary, the seepage management plan must be implemented and fully operational; and

3. While Phase 1 excavation is underway, groundwater monitoring on adjacent lands shall be carried out to identify and characterize off-site impacts, if any, and to evaluate the results of groundwater modeling that has been conducted in advance of Phase 1 excavation.

We recommend that the above conditions be included in the Phase 1 permit to make it very clear to the applicant that Phase 2 excavation, closer to the Park, will not occur until a seepage management plan is submitted and approved by DERM; that there will be no detrimental impacts to wetlands/marshes in the Park associated with Phase 2 excavation; and that the seepage management plan is implemented and fully operational prior to Phase 2 excavation. The groundwater monitoring condition should provide valuable information in terms of subsequent consideration of Phase 2 excavation.

Please contact Roy Sonenshein (305-224-4250) or me (305-242-7712) if you have any questions in regard to the Park's position on this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan B. Kimball". The signature is written in a cursive, slightly slanted style.

Dan B. Kimball
Superintendent



REPRESENTING
CHIEF FINANCIAL OFFICER
JEFF ATWATER
STATE OF FLORIDA

Jeffery A. Straw
Vice President
Geosonics
4313 SW 64 Ave.
Davie, Fl. 33314

March 14, 2011

Dear Mr. Straw,

Per your request, I have conducted a review of all blast reports on file generated from the Cemex Krome Rock Quarry.

This office has all blast reports from that quarry from January 2009 to present.

A review of these blast reports found that at no time were the blasting limits as mandated by the State of Florida FSS 552.30 and FAC 69A-2.024 exceeded.

If I can be of further assistance, please feel free to contact me.

Sincerely,


Laurence D. Pasko



JIMMY PATRONIS

CHIEF FINANCIAL OFFICER
STATE FIRE MARSHAL
STATE OF FLORIDA

March 10, 2020

Cemex
13292 NW 118th Avenue
Miami, FL 33178

Re: CEMEX Krome Quarry, Construction Materials Mining Permit #s765663-0006-2002,
449799-0001-2004, and 14-000003

To Whom It May Concern:

The Division of State Fire Marshal conducted an annual inspection of the above-listed mining permits on January 30, 2020 (see attached inspection reports). As of the date of this letter, all listed permits are in compliance with all requirements of Section 552.30, Florida Statutes and Rule 69A-2.024, Florida Administrative Code.

If you have any questions or need any further information, please feel free to contact me.

Sincerely,

Casia Sinco
Chief, Bureau of Fire Prevention

Attachment: Annual Inspection Reports

FLORIDA DEPARTMENT OF FINANCIAL SERVICES

Casia R. Sinco • Chief of Fire Prevention
Division of State Fire Marshal

200 E. Gaines St. • Tallahassee, FL 32399-0342 • Tel. 850-413-3620 • Fax 850-414-6119
Email • casia.sinco@myfloridacfo.com

Affirmative Action • Equal Opportunity Employer

Thomas K. MacVicar, P.E.,
President, *MacVicar Consulting, Inc.*

EXPERIENCE:

Thomas K. MacVicar is president of a private consulting firm specializing in the water resource and environmental issues of South Florida.

As a consultant, Mr. MacVicar has been involved in numerous large-scale environmental planning initiatives in South Florida.

He represented the Department of Agriculture and many agricultural companies in the multi-year, multi-agency Corps of Engineers Central and Southern Florida Restudy process that culminated in the Comprehensive Everglades Restoration Plan. He has been a spokesperson and technical consultant to the agricultural industry in south Florida on water resource issues for more than 15 years.

He represented the Miami-Dade County Limestone industry on water resource issues during the development of the Lake Belt Plan, a state-led process to develop a long term plan for the largest mining area in Florida, which is located between Miami and the Everglades, and has been the technical lead for the Industry for more than 10 years. He continues to act as chief consultant to the Miami-Dade based limestone companies on environmental and water related issues.

Prior to beginning his consulting practice in 1994, Mr. MacVicar spent 16 years on the staff of the South Florida Water Management District.

CAREER SUMMARY

Water Resource Planning Mr. MacVicar is an expert in the design and operation of the Central and Southern Florida Flood Control Project. He was an original author of two large scale computer models used to simulate the hydrology of South Florida. In addition, he spent four years as Deputy Director of the Operation and Maintenance Department of the SFWMD and exercised direct supervision of the operation of the federal project facilities. Some key special projects included:

Comprehensive Everglades Restoration Plan On behalf of the Florida Department of Agriculture and many private agricultural landowners, Mr. MacVicar participated as a member of the Corps of Engineers' Alternative Evaluation and Alternative Design Teams. His understanding of the computer models used in the evaluation and his knowledge of the design, operation and history of the Central and Southern Florida Project allowed him to consult on the technical, administrative and policy aspects of the Restudy. The Restudy led to the Comprehensive Everglades Restoration Plan, an 8 billion dollar project approved by Congress in 2000.

Limestone Mining. The Lake Belt region of Miami-Dade provides in excess of 50% of the aggregate used in construction throughout the state of Florida. Mr. MacVicar began consulting to the Miami-Dade Limestone Products Association during the development of the Lake Belt Plan in the mid 1990s. When the federal permits for all the mining companies in the Lake Belt were vacated by the federal Courts in 2006 Mr. MacVicar

served as the chief consultant through the complex process to obtain new permits. New 20-year mining permits were issued in 2010 after a lengthy state and federal process that required the preparation of a complex Environmental Impact Statement, a new Biological Opinion from the U.S. Fish and Wildlife Service and a lengthy Record of Decision by The Corps of Engineers.

Subsequent to permit issuance Mr. MacVicar has been responsible for the installation and testing of a shallow groundwater flow barrier to control seepage in the surficial aquifer adjacent to Everglades National Park.

Everglades Water Quality Mr. MacVicar represented the SFWMD on all technical matters associated with the Everglades Water Quality dispute. He participated with the state/federal team in the design of Stormwater Treatment Areas to reduce the flow of nutrients into the Everglades. He had executive responsibility for the SFWMD technical team dealing with water quality and hydrologic issues associated with the Everglades Restoration effort.

Everglades National Park Mr. MacVicar was the author of the Rainfall Formula which has been used to control water flow into Everglades National Park since 1985. Implementation of the formula included changes to the regulation schedule for Water Conservation Area 3A, a 450,000 acre Everglades impoundment just north of the Park, and the operational rules for the canal system in south Miami-Dade County. Mr. MacVicar now serves on several committees related to water resource issues in Miami-Dade County and the Everglades.

Florida Bay Mr. MacVicar developed the C-111 Canal Interim Plan in 1989 in response to a major storm which highlighted the flaws in the canal system upstream of the Bay. The Plan resulted in two new water control structures to reduce seepage out of the east Everglades and allow better control of water upstream of Florida Bay. Mr. MacVicar developed the concept and supervised the design, permitting and construction.

AWARDS

1987 Palladium Medal for Outstanding Engineering Achievement in Support of Environmental Conservation given jointly by the Board of the National Audubon Society and the American Association of Engineering Societies.

Marksman Award for Engineering Excellence given by Engineering News Record Magazine, 1987.

Engineer of the Year, 1987, Palm Beach Chapter of the American Society of Civil Engineers.

RESEARCH COMMITTEES

National Research Council, Water Science and Technology Board, Panel on the Future of Irrigation in a World of Competing Demands and Water Quality Constraints, 1996.

National Research Council, Water Science and Technology Board, Committee on the Assessment of the Nations Water Resources Research Program, 2001- 2003.

EDUCATION:

M.S., Water Resource Engineering, 1978, Cornell University
B.S., Agricultural Engineering, 1976, University of Florida
B.A., Political Science, 1971, University of South Carolina

PUBLICATIONS:

“Confronting the Nation’s Water Problems, the Role of Research”, 2004, by the Committee on Assessment of water Resources Research, Water Science and Technology Board, National Research Council.

Fennema, R.J., Neidrauer, C.J., MacVicar, T.K., and Johnson, R.A., “A Computer Model to Simulate Natural Everglades Hydrology,” in Everglades, The Ecosystem and Its Restoration, 1994, S.M. Davis and J.C. Ogden, editors, St. Lucie Press, Delray Beach, FL

“Irrigated Agriculture in Florida,” in A New Era for Irrigation, 1996, by the Committee on the Future of Irrigation in the face of Competing Demands, Water Science and Technology Board, National Research Council.

MacVicar, T.K., “Rescuing the Everglades”, Civil Engineering Magazine (cover story), August 1987.

MacVicar, T.K., “The Rainfall Plan: A Rainfall/Evaporation-Based Formula for Restoring Natural Water Flow to Shark River Slough,” South Florida Water Management District.

MacVicar, T.K., “A Wet Season Field Test of Experimental Water Deliveries to Northeast Shark River Slough,” Technical Publication 85-3, South Florida Water Management District, August 1985.

MacVicar, T.K., and VanLent, T., “Evaluation Report: A Thirty-Day Field Experiment of Water Deliveries to Northeast Shark River Slough,” South Florida Water Management District, July 1984.

MacVicar, T.K., VanLent, T., and Castro, A., “South Florida Water Management Model: Documentation Report,” Technical Publication 84-3, South Florida Water Management District, February, 1984.

MacVicar, T.K., and Lin, S.T., “Historical Rainfall Activity in Central and Southern Florida,” in Environments of South Florida, Past and Present II, P.J. Gleason, editor, published by Miami Geological Society, 1984.

MacVicar, T.K., “Rainfall Averages and Selected Extremes for Central and South Florida,” Technical Publication 83-2, South Florida Water Management District, March 1983.

MacVicar, T.K., “Frequency Analysis of Rainfall Maximums for Central and South Florida,” Technical Publication 81-3, South Florida Water Management District, May 1981.

TRAVIS WELLMAN

13624 Cooper Road, Spring Hill, FL 34609

* psuroxnfla@aol.com * 786-236-3622

SUMMARY

Vice President of Operations with extensive experience in the industry working for notable companies in the building materials business. Expertise in creating efficient, functional and safe operating environments. Proven success in creating high performance teams and implementing processes and procedures that increase production, reduce expenses and result in low cost - high quality products. Skilled in managing budgets in excess of \$150M. Demonstrated ability securing community support and providing educational outreach throughout the region. Experienced with SAP, Excel, Microsoft Office, PowerPoint Presentation and Cost Analysis.

Operation Excellence and Leadership	Contractor Management and Negotiations
Union and Non-Union Environments	Quality Assurance and Control
Safety Leader	P&L Accountability
Resource Planning and Management	Staff Development: Mentoring and Coaching
Strong Oral and Written Communications Skills	Critical Thinking and Problem Solving

EXPERIENCE

CEMEX

PRESENT: VPGM, Florida/Carolina Aggregate Division

- 2016-2018: **VP of Operations , Florida/Carolina Aggregate**
 - Manage 15 production facilities and 9 distribution yards over 3 states - 20M sales tons per year, excellent safety results, increase in productivity through continuous improvement, maintain costs and continue to deliver on earnings goals.
- 2011-2016: **VP of Operations , Central FL Aggregate**
 - Managed 12 production facilities and 1 distribution yard over 3 states - 7.5M sales tons per year, increased productivity and maintained unit costs with a 70% reduction in sales
- 2007-2008: **Regional Manager**
 - Managed 12 production facilities and 4 distribution yards over 4 states – 12,000,000 sales tons per year, maintained a TRFR below 1.6, low unit costs, high productivity and a high quality product during a severe market downturn
- 2007 – 2008: **Area Manager**
 - Managing 4 production facilities and one distribution yard – 6,000,000 sales tons per year
- 2005 – 2007: **Area Manager**
 - Responsible for 3 facilities and a distribution yard and Acting Quarry Manager at an 8 M tons/year (processed) facility
- 2004 – 2005: **Regional Manager**
 - Responsible for 13 facilities and over 300 employees
- 2001 – 2004: **Area Manager**
 - Responsible for 6 sand operations and one aggregate rail terminal
- 2000 – 2001: **Project Engineer for the Florida Aggregate Group**

TARMAC AMERICA

1996-2000: **Production & Loadout Manager**

- Increased production from 6 million TPY to 8 million TPY.
- Managed 60 employees in production, fixed maintenance and the load out facility
- Brought plant availability from an average of 75% to over 86%.

FLORIDA ROCK INDUSTRIES

1991-1996: **Asst. Plant Manager**

- As the Assistant Plant Manager, managed a crew of 12 employees.
- Participated in Florida Rock's Management Training Program
- **1992 - 1995** trained as the Plant Engineer, Load out Supervisor, Mobile Shop Supervisor, Night Shift Maintenance Supervisor and Pit Supervisor at the Havre De Grace Quarry, a 3.5 million tons per year granite quarry on the Susquehanna River
- **1991-1992 Project Engineer**
Subject Matter Expert for Havre de Grace's fractionated plant, blending system and barge loading facility.

EDUCATION

MBA: University of Phoenix- Ft. Lauderdale, FL

BS: Mining Engineering- Pennsylvania State University

ACHIEVEMENTS

Active Team Member in CEMEX Global Networks - US Safety Network Leader

Member of Global Business Initiative Team

Completed CEMEX ACHIEVE Training

Completed LEAD Training

Started CEMEX Aggregate Symposium

MC for FL Aggregate Annual Meetings

Member of the PMI (Post Merger Integration) team for the Rinker Acquisition

Eckerd College: Leadership Development Program

SAP Go-Live Team for Florida Crushed Stone and American Limestone

Facilitator for CEMEX's Management Training Program

COMMUNITY

2004-2015 President Hernando County Chamber of Commerce

2013-2014 President of Hernando Progress

2002-2007 President of the Haines City/Northeast Polk County Chamber of Commerce

2005-2006 NSSGA Young Leaders Board Member

2003-2005 Board Member- Ridgeview Academy Charter School

MICHAEL A. VAZQUEZ, P.E., LEED AP
FORTIN, LEAVY, SKILES, INC.
180 NE 168th STREET
NORTH MIAMI BEACH, FL 33162
TEL. (305) 653-4493
FAX (305) 651-7152
michael@flssurvey.com

Education

Bachelors of Science Degree in Materials Engineering, November 2002
Universidad Simon Bolivar, Caracas, Venezuela

License & Certifications

Professional Civil Engineer License, State of Florida P.E. #69249, January 2009
LEED AP Building Design + Construction, Identification No. 10605691, April 2012

Work Experience

July 2009 – Present	Fortin, Leavy, Skiles, Inc.	North Miami Beach, Florida
Principal Civil Engineer, LEED AP		
January 2009 – July 2009	Biscayne Engineering Company, Inc.	Miami, Florida
Engineering Project Manager		
July 2005 – October 2008	Schwebke Shiskin & Associates, Inc.	Miramar, Florida
Project Engineer		
November 2004 – June 2005	Miami-Dade Water & Sewer Dept.	Miami, Florida
Engineer I		
March 2004 – November 2004	BND Engineers, Inc. – MDWASD	Miami/Doral, Florida
Engineer & Coordinator for the MDWASD In-Fill Development Committee		
August 2003 – March 2004	Earth Tech Consulting, Inc.	Doral, Florida
Engineering Assistant		

JEFFREY A. STRAW

Consultant in Vibration and Acoustics
Vice President & Area Manager
GeoSonics, Inc.
Suite 4
6900 S. W. 21st Court
Davie, FL 33317

EDUCATION

BS Environmental Science (Special Field - Land Use Planning) Slippery Rock State College, 1977

Airport Noise Modeling Seminar, Georgia Institute of Technology, 1986

Bruel & Kjaer Instruments, Inc. Vibration, 1988

Bruel & Kjaer Instruments, Inc. Acoustics, 1988

Blasting Explosives Safety and Use - Explosives Technologies International of Florida, Inc., 1990

Hewlett Packard, Dynamic Signal Analysis, 1991

Hewlett Packard, Acoustics Measurement, 1992

Practical Blasting Fundamentals, Level I, International Society of Explosives Engineers Certificate Program, 1994

Effective Drilling and Blasting Seminar, National Stone Association, 1992.

International Society of Explosive Engineers, Blasters Training Seminar, January 31, 2015

International Society of Explosive Engineers, Blasters Training Seminar, January 30, 2016

International Society of Explosive Engineers, Blasters Training Seminar, January 30, 2017

International Society of Explosive Engineers, Blasters Training Seminar, January 30, 2018

International Society of Explosive Engineers, Blasters Training Seminar, January 25, 2020

PROFESSIONAL EXPERIENCE

Vice President & Area Manager, Philip R. Berger & Associates, Inc., December 1981 to July 31, 1988. August 1 to Present, GeoSonics, Inc. (Change in Company Name)

Firm Principal, Vibration / Acoustic Consultant. Responsible for Florida operations, North Carolina operations office consulting, direction of staff for monitoring on-going blasting, pile driving and vibratory compaction projects and recommendation of safeguards for projects. Additional vibration and acoustic monitoring for ground and structure vibration and evaluation of effects of effects of noise upon communities and comparison of noise levels to community noise regulations. Expert testimony regarding blasting ordinances, use of explosives, acoustics and damage potential in relation to explosive side effects. Consulting services, expert witness testimony on blasting effects during zoning/permitting hearings. Development of technical standards and presentation during development and legislation of blasting regulations for Broward, Dade, Collier, Citrus, Lee and Hernando counties, Florida. Completion of Damage Claim Investigations and presentation of expert testimony at mediation/arbitration hearings. Preparation of community noise studies on operational equipment, building generated noise, noise evaluation in relation to community and human annoyance issues. Completion of Environmental Impact Statements (EIS) Noise sections for multiple clients and locations.

Expert witness testimony, Collier, Charlotte, Citrus, Lee – HEX / Board of County Commissioners, Citrus, Pasco, Hernando, Palm Beach, Broward, Miami-Dade, Monroe Counties, Florida. Additional work / testimony for State of North Carolina projects, Ohio, Kentucky, Grand Bahama Island, Bahamas, Grand Cayman Islands, Grand Cayman, BWI.

Vibra-Tech Engineers, Inc. – Board of Directors Member, November 2003 – 2016.

Vice President – November 28, 2007 – 2016

Area Manager, Philip R. Berger & Associates, Inc., March 1980 - December 1981

Responsible for field recording and consulting on blasting vibration. Public affairs presentations. Expert witness testimony on blasting seismology.

Technical Representative, Philip R. Berger & Associates, May 1978 - March 1980, Pennsylvania Office.

SOCIETY AND COMMITTEE MEMBERSHIPS

International Society of Explosives Engineers - 1981 to present.

Society for Mining, Metallurgy, and Exploration, Inc.

Firm representative - National Stone, Sand & Gravel Association 1999-Present

National Stone, Sand & Gravel Association – Manufacturers and Services Division Board of Directors Member – 1999 - Present

Member - Mining & Reclamation Committee, National Stone, Sand & Gravel Association - 1991 to present.

National Stone Sand and Gravel Association, Manufacturers and Services Division, Executive Committee, Board of Directors, 2004 – Present. Second Vice Chair - Manufacturers and Services Division, 2007.

National Stone Sand and Gravel Association, Manufacturers and Services Division, Executive Committee, Board of Directors, 2004 – Present. First Vice Chair - Manufacturers and Services Division, 2008.

National Stone Sand and Gravel Association, Manufacturers and Services Division, Division Chairman, March 12, 2009.

National Stone Sand and Gravel Association, Board of Directors, Board of Directors Executive Committee, 2008 – 2010.

National Stone Sand and Gravel Association, Board of Directors, 2008 – 2011

Blasting and Explosives Committee, Engineering Contractors Association of South Florida, Inc., - 1980 to 1982; Co-Chairman Blasting & Explosives Committee - 1983-1986; Chairman Blasting & Explosives Committee, ECA - 1987-1988.

Member – Society of Explosives Engineers, Seismograph Committee, 1998 – Present.

Corporate Representative – Florida Limerock and Aggregates Institute.

PROFESSIONAL LICENSE

State of Florida, User of Explosives license – 2011 – present.

MAJOR PUBLICATIONS / PRESENTATIONS / SEMINAR INSTRUCTION

Co-Author/Draftsman/Technician, U.S. Bureau of Mines, Minerals Research Contract Report, "**Survey of Blasting Effects on Ground Water Supplies in Appalachia**", May 1978 to February 1980.

National Stone Association - Effective Drilling and Blasting Seminar Instructor, Vibration and Public Relations section - 1993 – 1997, 2000.

International Society of Explosives Engineers - **Blast Vibration Effects Upon a Deep Injection Well and the Reduction of Ground Vibration over Depth** - February 1994.

Explosives Education Services - Blasting Safety and Application Training - Vibration and Noise Control section instructor - 1995 - 1997.

State of Florida Proposed Explosives Code Revisions, Florida Limerock & Aggregate Institute, October 5, 2000.

Automation of Blast Monitoring Devices and Advanced Service Instrumentation for Mining and Quarrying, National Stone Association, Automation Conference, October 17, 2000, Miami, Florida.

The Basis for Safe-Level Vibration Limits for Residential Structures and Application to Multiple Structure Types, GeoSonics, Inc. & Vibra-Tech Engineers, Inc., 6th Blasting Vibration Technology Conference, Key Largo, Florida, January 15, 2007

Explosives and Monitoring for Construction Materials Mining Activities, Seminar for State Fire Marshal, State of Florida representatives, Blasting Side Effects, Seminar planner and instructor, September 2, 2009.

Managing Risk Through Public Perception, Development of Vibration Standards, Jeffrey A. Straw, Douglas Rudenko, Joyce Watson, AGG1 2010, Forum and Expo, February 17, 2010

Use of Explosives, Blaster's / User's Licensing Training, July 2011.

Master Lecturer - Seminario "Vibraciones y acústica en voladuras a cielo abierto" (Seminar "Vibrations and acoustics in demolitions openblast"), Xalapa, Veracruz, Mexico, Viernes, 27 de Enero del 2012 (On Friday, January 27, 2012)

Monitoring and Advanced Evaluation Techniques for Aggregate Mining in Urban Settings, Jeffrey A. Straw, Douglas Rudenko, AGG1 Academy, 2012 NSSGA Annual Convention

Monitoring and Advanced Evaluation Techniques for Aggregate Mining in Urban Settings, Jeffrey A. Straw, Douglas Rudenko, AGG1 Academy, 2013 NSSGA Annual Convention

Explosives and Monitoring for Construction Materials Mining Activities, Seminar for State Fire Marshal, State of Florida representatives, Blasting Side Effects, Seminar planner and instructor, July 26, 2016.

Explosives Use – Loading and Blasting – Blasting / Fracturing of Limestone DYNOL Nobel Presentation You Can't Manage What You Don't Measure, Seminar Presentations for 34th Annual Regional Mining Conference, Mining: The Foundation of Society, October 9, 2019