



The Drawingboard

Queens Chapter

New York State Society of Professional Engineers

April 2010

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In This Issue

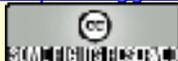
- President's Message
- Mathcounts
- NYSSPE Annual meeting
- E designations
- DOB Press Release
- Construction Safety Week
- Job Opportunity

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President's Message

By **George Tavoulareas, P.E.**
President
gltpe@msn.com

Robert Scarano, AIA has been denied by DOB Commissioner **Robert LiMandri** (non-licensed) the ability to practice architecture in NYC. Mr. Scarano was brought before an administrative judge and found "guilty" of filing "several misleading" statements on his applications by an administrative law judge. Under a state law that was passed several years ago, the DOB commissioner can now prevent a licensed design professional from practicing and submitting documents to the DOB if the design professional is found to have knowingly or negligently submitted false documents. This law puts too much power in the hands of the building department commissioner and Rob Scarano has said he will appeal it. See the DOB press release.

Local Law 85/2009 established the NYC Energy Conversation Code. The NYC energy code will become law effective July 1, 2010 and there are many challenges and opportunities for professional engineers and our members. The energy code will require professional engineers amongst other things, to show energy calculations on the drawings, specify and perform progress inspections, require electrical drawings to be submitted if required for compliance, etc. Currently, the NYC Dept. of Buildings (DOB) has [Proposed amendment to Rule 101-07 relating to progress inspections, and on the proposed addition of rule 5000-01 relating to construction document compliance with the New York City Energy Code,](#)

(http://www.nyc.gov/html/dob/downloads/pdf/rule_101-7_energy_code.pdf) for public review. This proposed amendment/rule describes the type, frequency and reference section used for progress inspections. There are forty-three (43) progress inspections shown in the matrix and this will open

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opportunities to many of our members who can perform these inspections. In reading the proposed rule I have a concern with the progress inspection agency structure and who can perform these inspections. The rule in my opinion does not go far enough with the agency structure requirement on page two. PCs, sole proprietors, "grandfathered inc" and engineering firms with a cert. of authorization should be the only firms allowed to conduct and signoff on progress inspections. A public hearing has been scheduled for May 18, 2010 and I would like you to read the proposed rule and forward me your comments and thoughts by May 3, 2010 to my e-mail address above.

For some time now I have been wondering what projects are being funded in NY state with stimulus monies. Much to my surprise I found one such project in NYC and its with the DOB. The DOB issued a RFP for consulting services with a max. upset fee of \$500,000 to study the implementation of the energy code and establish a plan for NYC to achieve compliance with the energy code and ASHRAE 90.01. The consultant would provide energy code training materials to DOB plan examiners and inspectors, contractors and design professionals, provide recommendations for enforcement, train DOB staff, etc. I spoke to two engineering firms (NSPE members) and they have showed interest in the RFP. The proposal is due April 21, 2010, rfp # PIN 81010SPI0068 [can be downloaded here.](#)

Special inspections update- I have been told that special inspection requirements have been finalized and they are at the City's Corp. Counsel for review. Special inspections will include a three tiered class level and everyone performing special inspections will have to be registered with DOB and carry errors and omissions insurance. Class one inspection agencies will be able to perform inspections on new/major buildings ten stories and taller but will have to be accredited by IAS. Classes 2 and 3 special inspection agencies are for smaller buildings and alterations and they **WILL NOT** have to be accredited by IAS and, hence pay the \$20,000 in yearly fees. For those of you asking where your membership dues go and what do I get from becoming a member of NSPE, I can tell you the state chapter of NSPE and the five City chapters have a dialogue with the DOB regarding special inspections and **WE** were highly influential in persuading the DOB to make changes to their original draft which included the previous accreditation requirement for all agencies. Let's wait and see what the final document reveals. I expect it to be issued for comment within the next month. Look for it in the City record and at the DOB website.

On April 15, 2010 I attended the Queens DOB industry meeting. A Powerpoint presentation on the Residential Streetscape Preservation Text Amendment was made by **Mr. Ho**. This law will have a significant impact on how buildings are designed in NYC. Front yard planting and parking requirements must be taken into account during the design of a building. The presentation can be viewed at <http://www.nyc.gov/html/dcp/html/rsp/index.shtml>

Several engineers and architects have also complained that they have withdrawn from a project and they are receiving ECB violations because the DOB will not remove their name from their system until another design professional signs on. The Commissioner recommends that you notify him in writing that you have withdrawn from the project and you can use this letter as backup at the hearing. The Commissioner, however, does not realize that a professional's time is wasted at the hearing and time is money- ours not his. If you have withdrawn from a project and received an ECB violation, please let me know and I will pursue this matter further with the DOB.

[The appeal in our lawsuit against the City can be downloaded for your review by clicking here.](#)

Construction safety week is being sponsored by the DOB during the last week in April. See the attached flyer for details.

Queens Chapter member Joseph Horowitz, PE presented a very interesting lecture on E-designation properties at the Professional Design Center on April 14, 2010. [The lecture was informative and the slide show can be downloaded by clicking here.](#)

Please let me know what you are thinking and what issues or concerns are on your mind. I can be reached at the e-mail address above or you can call me on my cell at 347.387.1649.

For those interested in becoming NYSSPE members, NYSSPE is offering a [6-months-free membership](#) until June 2010, so sign up today!

I look forward to seeing you at our Chapter meeting on April 22, 2010

Next General Membership Meeting

Thursday April 22, 2010 at 6:30PM

Please join us as Bill McShane of [Capsys Corp.](#) presents "Getting the Most from Modular Construction as a Design Option"

There will be no fee for dinner and attendance.

Mathcounts Update

The New York State MATHCOUNTS Competition was held on March 13, 2010 at Rensselaer Polytechnic Institute in Troy, NY. A total of 243 mathletes formed 52 teams from across the state. The top individual was Allen Liu from Bay Trail Middle School, which was also the top team. Allen and his teammates will be travelling to Orlando, FL for the National Championship on May 7, 2010. You can watch the competition live at 2:00pm EST on www.mathcounts.org

NYSSPE Annual Meeting



Seminar Information:

Get up to 9.5 Professional Development Hours (PDHs). All seminars approved for Professional Development Hours (PDHs) under The Practicing Institute of Engineering, Inc. (PIE) - NYS approved provider. NYSSPE is a Sponsoring Organization under PIE. See the agenda page for list of seminars offered.

When: June 10 thru 12, 2010

Register:

<http://guest.cvent.com/EVENTS/Info/Summary.aspx?e=ad9e1481-9db5-41b4-b102-4da1e8a13f8a>

New EPA Lead Paint Rules

By Brian Flynn, PE

For building built prior to 1978, there are new EPA Lead Paint Safe Work rules that go into effect on April 22. Lead paint was long used for its vibrant colors and resistance to weathering and ultraviolet light. Unfortunately lead was connected to a decrease in IQ, especially among younger children as well as learning disabilities and behavioral problems. In adults, it can lead to high blood pressure and hypertension. In 1978, lead paint was phased out by the EPA regulations. In 1996, landlords and contractors that had projects that disturbed the pre-1978 lead based paint had to follow new work rules for renovations in child occupied apartments.

The new rules that go into effect on April 22 will affect builders, contractors, carpenters, painters, sheet-rockers, plumbers, electricians and those who do windows, siding, roofing, HVAC and more. There are several exceptions but if more than 6 sq ft of interior, 20 sq ft of exterior or one window is to be replaced where lead paint can be disturbed you are responsible for the following:

- Notify customer of lead paint hazards
- Post lead paint and lead danger warning signs
- Register with the EPA
- One worker must be trained and certified
- Prepare and sign off forms detailing the lead paint safe work procedures followed
- Containment area of work zone with double containment entries
- Cover floors at least 6 feet beyond the work area perimeter
- Cover and seal all heating and ventilation ducts
- Workers inside the containment area are to wear safety goggles, respirators, disposable hooded one piece work suit, rubber or latex gloves covered with exterior work gloves, work boots with exterior rubber boots. The wrists and ankles must be duct taped to seal the cuffs
- Minimize dust by water misting and sealing in plastic
- Clean up with HEPA vacuum filters

The penalties for non-compliance can reach \$37,500 per day per incident. Anyone entering the work zone must be properly attired, including engineers and architects performing site inspections or evaluations. 24% of the homes built between 1960 and 1978 are likely to contain lead. 69% of the homes built between 1940 and 1960 are likely to contain lead. 87% of the homes built before 1940 are likely to contain lead. The vast majority of the New York housing market was built before 1960. For more information, go to

<http://www.epa.gov/lead/pubs/renovation.htm>

Is There an “E” in Your (Site’s) Future?

Rev. Nov. 7, 2007

by Joseph Horowitz, P.E.

During the Second World War, defense plants that achieved outstanding performance were awarded “E” (for “Excellence”) designations and permitted to fly a banner with the coveted “E”. New York City now has its own “E Designation” program, but now the “E” stands for “environmental” and can mean major headaches for site owners and developers.

The “E Designation” is applied to certain properties that have been re-zoned, where the projected use may lead to increased environmental risk¹, as when a site zoned for manufacturing is re-zoned to residential use. Developers, owners and tenants on such sites may have to do environmental investigation before they can get their construction plans approved. In some cases, remediation (cleanup) may also be required and/or special measures built into the project to protect occupants or construction workers against environmental hazards. At the very least, this means delay. It can also result in added cost.

How Does This Come About?

To meet the City’s voracious need for housing, some areas formerly zoned as manufacturing have been re-zoned as residential, e.g., in Williamsburg, Brooklyn. Under the regulations, the City examines such lots and assigns the E-designation, if there is possible contamination from hazardous materials. For lots so designated, the Department of Buildings (DOB) cannot issue any approvals without prior review and approval by the Department of Environmental Protection (DEP).

When an area or lot is so designated, the Department of City Planning (DCP) will show the symbol “E” on the zoning maps and DOB will indicate it on its **Building Information System (BIS)** for that lot, under the heading of “Little ‘E’ Restricted”. Unfortunately, in some cases, the information reaches the DOB after plans have been filed or approved, or even after construction has been completed.

Restrictions on DOB Approvals

For E-designated sites, DOB may not issue approvals, permits, sign-offs or Certificates of Occupancy (temporary or permanent) without prior review by DEP. Under New York City’s Zoning Resolution, the rule applies to any “development” (a new building or change of use) or to enlargement, extension or change of use involving a residential or community facility use or for any enlargement of a building that involves disturbing the soil.

How the Procedure Works

If your site has an E-designation, you must submit three (3) items to DEP:

1. A **Phase I Environmental Site Assessment (ESA)**;
2. Certified construction plans;
3. Written description of the proposed project.

¹ This article deals with properties with E-Designation for Hazardous Materials (“HazMat”). There are other types of E-Designation, e.g., noise, air pollution, for which the procedures are somewhat different.

A **Phase I ESA** is an environmental evaluation of the property that includes study of site history, using historic maps and other documents; interviews with owner; occupants and neighbors; and review of various government data bases to determine if there are any actual or potential environmental problems on or near the site. A Phase I includes physical inspection of the site and nearby areas, but no sampling or testing.

Phase I ESAs must be performed in accordance with the current ASTM standard² and are routinely commissioned by purchasers of industrial and commercial property. Many banks also insist on Phase I studies as a precondition to extending financing.

DEP Review; Phase II Environmental Site Assessment

DEP will review the submission. If DEP determines that the proposed construction will not create or increase a hazard, it can issue a **Notice of No Objection** (see below). However, DEP may require additional investigation, called a **Phase II Environmental Site Assessment**. A Phase II ESA is a more elaborate study, which usually includes sampling and laboratory testing. Depending on the nature of the suspected problem, it may include soil borings, test pits, groundwater sampling or testing of suspected lead paint. DEP has a long list of conditions which trigger a Phase II, such as past use for most manufacturing operations; auto service stations; blueprint shops and dry cleaners or simply location in a manufacturing area. In practice, DEP requires Phase II studies in almost all cases.

Requirements for the Phase II ESA are spelled out in a two-volume tome called the *City Environmental Quality Review (CEQR) Technical Manual*. City requirements may differ, in some respects, from those of New York State Dept. of Environmental Conservation.

If a Phase II ESA is required, the applicant must first submit a **Work Plan** together with a **Health and Safety Plan** (HASP). The Work Plan describes the proposed investigation in detail and must be approved by DEP before work is started. If the site has known contamination, such as a petroleum spill or prior use as a gas station, such that a Phase II will be required, the applicant can submit the Work Plan and HASP along with his initial submission.

What if You Find Something?

When the investigation is complete, the engineer performing the Phase II submits an **Investigative Report** to DEP. Based on its review, DEP may require **remediation**, that is, cleanup or amelioration of the hazard. This need not mean complete elimination of the problem. Rather, DEP will permit a **risk-based** approach by which the potential risk to human health or the environment is reduced to an acceptable degree. If remediation is required, the engineer must submit a **Remedial Action Plan** (RAP) along with another HASP. Once these are approved, cleanup may start. Examples of remedial work might include:

- Removing a leaking underground storage tank, together with contaminated soil;
- Placing a layer of clean soil over lawn or garden areas, to prevent occupants from contacting or ingesting contaminated soil.

² . The U.S. Environmental Protection Agency has published regulations for Phase I ESAs, which became effective Nov. 1, 2006. The ASTM standard has been updated to comply with the new EPA rules.

If evidence of contamination, such as an oil spill, is found, the usual reporting rules apply and state and federal agencies may have to be notified.

When it approves the Remedial Action Plan, DEP will also issue a **Notice to Proceed** to DOB. This authorizes DOB to issue all approvals and permits, except a temporary or permanent Certificate of Occupancy.

The Closure Report

When the work specified by the RAP has been completed, an architect or professional engineer must submit a **Closure Report** to DEP, certifying to the work done. If DEP approves the Closure Report, it will then issue a **Notice of Satisfaction** to DOB, which authorizes DOB to issue the temporary or permanent Certificate of Occupancy.

DEP Actions

Summarizing the above, there are three (3) types of DEP actions that would permit a project to proceed:

- a. **Notice of No Objection:** This means that DEP is satisfied that the proposed work will not pose an unacceptable environmental hazard. With this notice, the DOB review and approval process can proceed normally, with no further DEP involvement.
- b. **Notice to Proceed:** DEP has approved the owner’s plans for remediation work and authorizes DOB to issue the necessary approvals and permits, subject to completion of whatever environmental remediation work DEP has determined necessary. Completion of remediation work must be certified in a **Closure Report** by a licensed architect or engineer.
- c. Upon review and approval of the Closure Report, DEP will issue a **Notice of Satisfaction**, indicating that the environmental work has been completed.

Information Sources

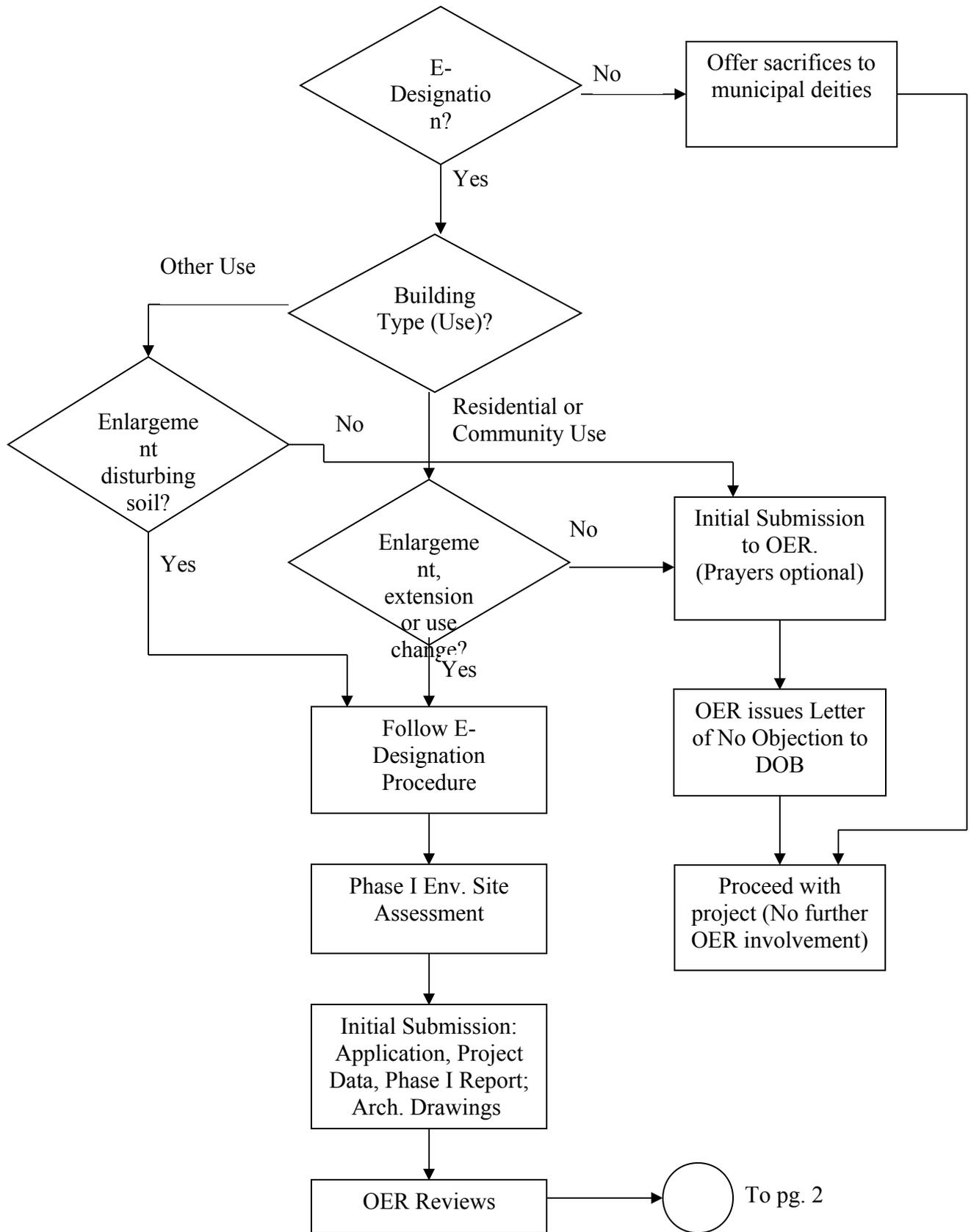
The list of sites given an E-designation may be found at <http://nyc.gov/html/dcp/pdf/zone/ceqr.pdf> . The NYC Zoning Resolution language can be found at <http://nyc.gov/html/dcp/html/zone/zonetext.html> . Go to Article 1, General Provisions, Chapter 1. The E-Rule is #11-15, pages 12-13. The NYC Dept. of Buildings *Policy and Procedures Notice* regarding E-designations may be found at <http://www.nyc.gov/html/dob/html/reference/oppn0103.shtml> .

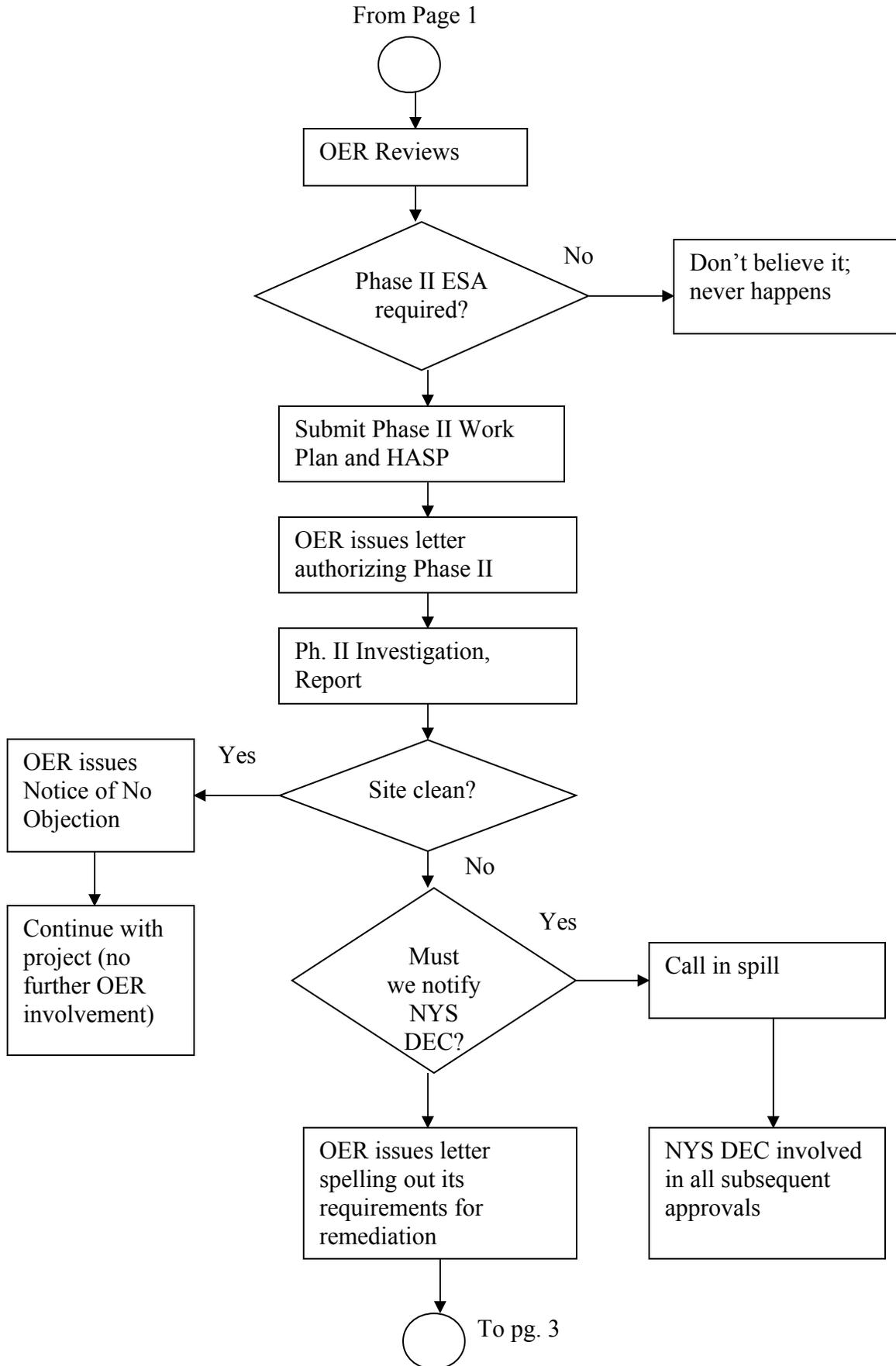
Conclusion: Forewarned is Forearmed

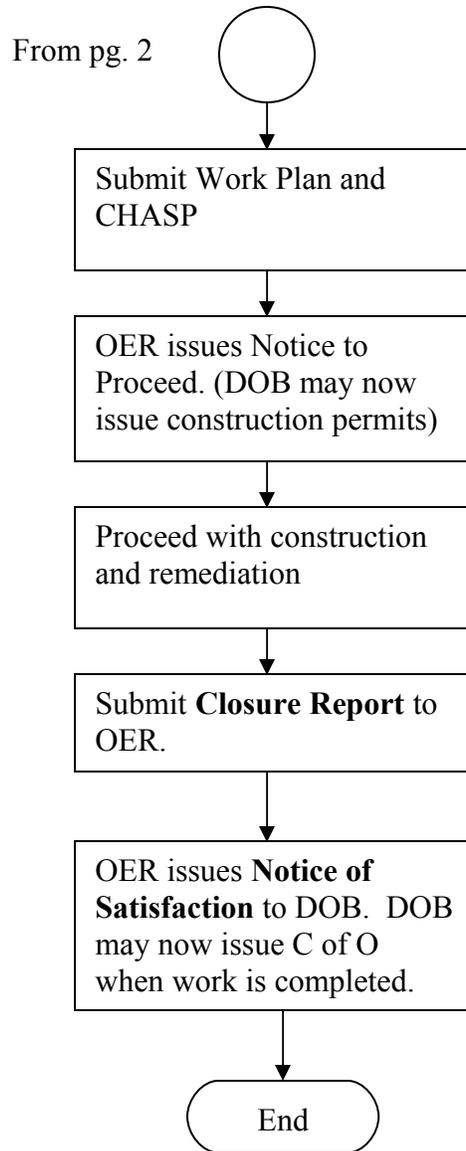
The process described can be time-consuming. If your site has an E-designation, starting early can minimize delays.

About the author:

Joseph Horowitz, P.E., is an environmental consultant, located in Flushing, NY. He may be reached at 718-544-5105.









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Buildings

*For Immediate Release
March 4, 2010*

**BUILDINGS COMMISSIONER LIMANDRI AND INVESTIGATION
COMMISSIONER GILL HEARN ANNOUNCE FILING BAN AGAINST
ARCHITECT ROBERT SCARANO**

*Judge Finds that Architect Filed False Documents with Buildings Department Related to
Three Properties in Brooklyn*

Buildings Commissioner Robert LiMandri and Department of Investigation Commissioner Rose Gill Hearn today announced that Registered Architect Robert Scarano has been barred from filing all building documents, including permit applications and construction plans, with the Department of Buildings following a hearing at the Office of Administrative Trials and Hearings. On March 1, Administrative Law Judge Joan R. Salzman found that Mr. Scarano knowingly made false and misleading statements to the Department of Buildings on documents relating to buildings at 145 Snediker Avenue, 158 Freeman Street and 1037 Manhattan Avenue in Brooklyn. Based on Judge Salzman's recommendation, Commissioner LiMandri issued an order yesterday prohibiting Mr. Scarano from submitting any document with the Department of Buildings. Under Chapter 542 of the Laws of 2007 for New York State, the Buildings Commissioner has the authority to prohibit any person from filing applications if they are found to have knowingly or negligently submitted false documents.

"Licensed professionals must understand they have an obligation to follow the law so the safety and quality of life of our neighborhoods are not compromised," said Buildings Commissioner LiMandri. "Mr. Scarano repeatedly submitted false documents in an attempt to circumvent the law and have illegal buildings approved. As a result, and based on the administrative law judge's recommendation, we have banned him from filing any construction documents in New York City."

"In matters affecting public safety there is no tolerance for shady practices," said DOI Commissioner Gill Hearn. "Professionals who intentionally file misleading documents to deceive the City betray the public trust. DOI and DOB will continue to root out unscrupulous professionals who flout the City's rules intended to protect the public."

The Department of Buildings and Department of Investigation filed administrative charges against Mr. Scarano in 2008, alleging that he made false or misleading statements on documents submitted to the Department of Buildings in two separate cases.

- **145 Snediker Avenue, Brooklyn.** Buildings inspectors determined that a utility pole was located in an unsafe manner within the path of the driveway at 145

Snediker Avenue. As a result, the Department of Buildings refused to issue a final approval for the construction of the driveway until the pole was moved to a safe location and was no longer an obstruction. In October 2008, Mr. Scarano submitted photographs and documents to the Department of Buildings indicating that the utility pole had been moved. However, Judge Salzman found that misleading documents were submitted by Mr. Scarano regarding the location of the utility pole in order to obtain a final construction approval.

- **158 Freeman Street & 1037 Manhattan Avenue, Brooklyn.** In 2002, Mr. Scarano submitted a professionally-certified application to construct a new five-story, four-unit apartment building at 158 Freeman Street, which was located on a L-shaped zoning lot fronting Manhattan Avenue and Freeman Street. On the building plans, Mr. Scarano did not accurately represent a four-story, 10-unit building already existing on the zoning lot. In 2000, Mr. Scarano had submitted an application for this four-story building, located at 1037 Manhattan Avenue. The two buildings, as designed by Mr. Scarano, were too large to occupy the same zoning lot or two independent zoning lots. Between 2007 and 2008, Mr. Scarano submitted two sets of amended plans for 158 Freeman Street, each time misrepresenting compliance with zoning regulations in order to gain approval of an oversized building. Judge Salzman found that Mr. Scarano made false and misleading statements to the Department of Buildings regarding the details of the buildings at 158 Freeman Street and 1037 Manhattan Avenue for the purposes of building larger structures than permitted under the Zoning Resolution.

Following the order to bar Mr. Scarano from filing documents with the Department of Buildings, the Department has notified the New York State Education Department of the ban, and Commissioner LiMandri is recommending that the agency take steps to revoke Mr. Scarano's New York State license. The charges brought against Mr. Scarano are the result of a joint investigation between the Department of Building's Special Enforcement Team and the Department of Investigation's Buildings Special Investigation Unit. These teams were formed to identify and build cases against individuals and companies who repeatedly violate building and zoning regulations. Under the state law, which was signed in August 2007, the Department of Buildings has brought false filing cases against eight architects and engineers, including Mr. Scarano. Of these cases, the Department of Buildings has barred Professional Engineer Tore Hansen, Registered Architect Carl Giangrande and Registered Architect Harry Steven Wild from filing any documents with the Department. The other cases are currently pending at the Office of Administrative Trials and Hearings.

-30-

Contact: Tony Sclafani/Carly Sullivan (DOB) (212) 566-3473
Diane Struzzi (DOI) (212) 825-5931

BROOKLYN MONDAY, APRIL 26

Seminar

Maintaining Safety at Stalled Construction Sites
Brooklyn College (Student Center: The Gold Room)
2901 Campus Road
Brooklyn
1pm-3pm

Construction in Your Neighborhood

Community Meeting with Borough President Marty Markowitz
Polytechnic Institute of New York University
6 Metrotech Center, Room LC400
Brooklyn
6pm-8pm

BRONX TUESDAY, APRIL 27

Seminar

Requirements for Site Safety Professionals & Special Inspections
Hostos Community College (Savoy Multi-Purpose Room)
120 East 149th Street
Bronx
1pm-3pm (*2LU/HSW)

Construction in Your Neighborhood

Community Meeting with Borough President Ruben Diaz Jr.
Bronx Borough Hall
851 Grand Concourse, Rotunda
Bronx
6pm-8pm

MANHATTAN WEDNESDAY, APRIL 28

Seminar

Safe Practices at High-Rise Construction Sites
The Cooper Union (The Great Hall)
7 East 7th Street
Manhattan
1pm-3pm

Construction in Your Neighborhood

Community Meeting with Borough President Scott Stringer
New York State Assembly Conference Room
250 Broadway, 19th Floor
Manhattan
6pm-8pm

QUEENS THURSDAY, APRIL 29

Seminar

Building in a Dense Urban Environment
York College (Faculty Dining Room)
94-20 Guy R. Brewer Blvd.
Jamaica
1pm-3pm

Construction in Your Neighborhood

Community Meeting with Borough President Helen Marshall
Queens Borough Hall
120-55 Queens Blvd., Room 213
Kew Gardens
6pm-8pm

STATEN ISLAND MONDAY, APRIL 30

Seminar

Safety & Sustainability in the Building Code & Zoning Resolution
Wagner College (Spiro 2 Room)
1 Campus Road
Staten Island
1pm-3pm (*2LU/HSW)

Construction in Your Neighborhood

Community Meeting with Borough President James Molinaro
Office of Community Board 2
460 Brielle Ave, Seaview Hospital Grounds
Staten Island
6pm-8pm

5 Days. 5 Boroughs.

Registration is required for seminars.
Visit nyc.gov/safetyweek.



In partnership with:
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American Institute of Architects
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Building & Construction Trades Council
Buildings Trades Employers' Association
Central Labor Council
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General Contractors Association
Hoisting & Scaffolding Trade Association
Holy Name Church
International Code Council
Mayor's Office of Immigrant Affairs
McGraw-Hill/NY Construction
National Commission for the Certification of Crane Operators
NYC Department of Consumer Affairs
NYC Department of Design & Construction
NYC Department of Environmental Protection
NYC Department of Housing Preservation & Development

Robert D. LiMandri, Commissioner

NYC Department of Investigation
NYC Office of Emergency Management
NYC School Construction Authority
NY Society of Architects
NYS Society of Professional Engineers
Occupational Safety & Health Administration
Project Hospitality
Real Estate Board of New York
Structural Engineers Association of New York
Subcontractors Trade Association
Women Builders Council

AIA Long Island Chapter 8th Annual Product Fair

Morning Classes - Reservations Required

TIME	AIA CREDIT		PROGRAM	DESCRIPTION
9:00 AM To 1:00 PM	4 HSW - PDH		Accessibility & the New Building Code	Analyze current Building Code requirements with respect to accessibility
9:00 AM To 11:00 AM Part 1 of 2	2 HSW—SD—PDH	Part 1	Pearl River and India - Green Design in Emerging Economies Instructor: James Kraus, SOM	Analyze challenges of developing sustainable solutions in emerging construction markets, while defining a path towards zero energy buildings and increasing energy independence. Pearl River Tower in Guangzhou, China. SOM designed a tower that could significantly reduce its dependency on the city's infrastructure. Scheduled for completion in 2010, the 71-story, 2.3-million square-foot tower will be the most energy efficient super tall tower ever built, and an energy independence milestone. The Park Hotel in Hyderabad, India was the first LEED Gold Hotel in India when it was designed to reduce water and energy use. Interaction with responsible government agencies greatly influenced the process of design
11:00 AM To 1:00 PM Part 2 of 2	2.0 AIA LU/ HSW/ SD PDH LEED Credit	Part 2	Solar Energy for Engineers & Architects Instructor: Jean-Pierre Clejean, IGSHPA, NABCEP	LEARNING OBJECTIVES: 1. What are the advantages to specifying solar applications for building projects? 2. What other renewable energy options are available and how do they compare with the solar electric option? 3. How can solar installations be justified, from an economic standpoint; what are the payback periods and how are they calculated? 4. How can these systems be installed on buildings in an aesthetically pleasing manner?
11:00 AM To 1:00 PM	2 LU HSW PDH		Green Design: What Design Professionals Need to Know to Survive Instructor: Paula Gart, Esq., L'Abbate, Balkan, Colavita & Contini, L.L.P., Garden City, NY	This seminar is designed to address the important issues that confront architects when providing services that utilize environmentally responsible design systems, techniques, materials and products.
11:00 AM To 1:00 PM	2.0 AIA LU/ HSW/ SD PDH		New Directions in BIM Instructor: Robert K. Otani, PE. LEED AP - Senior Associate - Thornton Tomasetti	1. What is BIM and how can it be used on building projects? 2. How to use BIM to provide superior visualization. 3. How to use BIM to enhance design team coordination. 4. How can BIM help to reduce construction delays?

There are no charges for any class Reservations are required for the morning classes. If you make a reservation and do not attend we will charge your credit card a total of \$50.00. Morning classes are on a first come, first serve basis. Credit card information is required. Please circle program you will be attending.

Fax reservation to 516-294-0973 or email to alomo3535@aol.com.

Enclosed is \$ _____

for _____ Reservations

Firm

Contact

Telephone No. (required)

Email Address (required)

Credit Card Number

Expiration Date

Name of Attendee

Member Number (required)

Name of Attendee

Member Number (required)

No reservations will be taken for the afternoon programs. Programs are on a first come, first serve basis.

Please pass this information along to anyone you feel might will be interested in attending.

Time: 1:30 PM – 2:15 PM Classroom A 1 HSW-SD-PDH	Welcome to the Three Ss: Structures, Sustainability & Steel	Analyze the impact that buildings have on the environment and how much that can be lessened through the use of responsible recycling efforts. Confidently specify materials that comply with the new LEED criteria for regional materials & recycled content.
Time: 1:30 P – 2:15 PM Classroom B 1 HSW-SD-PDH	Permeable Interlocking Concrete Pavement: A Storm water Management Solution In- structor: Kevin Earley, LEED Green Associate, Nicolock Paving Stones & Retaining Walls	Impervious paving causes stormwater runoff that can lead to a host of environmental problems including: erosion, flooding, and depleted aquifers. Permeable Interlocking Concrete Pavement (PICP) offers Low Impact Development (LID) solutions that reduce runoff, while reducing the need for maintenance. Analyze a Long Island case study that includes these methods.
Time: 1:30 PM – 2:15 PM Classroom C 1 HSW-SD-PDH	Commercial Stone Veneer Installation Semi- nar Instructor TBD Eldorado Stone, LLC	Compare manufacturers' testing certifications, design stone veneer installations that avoid problems and delays and are aesthetically pleasing.
2:45 PM to 3:30 PM Classroom B 1 HSW-SD-PDH	PVC 101 – The Benefits & Uses of Cellular PVC Trim Instructor: Joe De Santis, Versatex Trimboard	The different types and properties of cellular PVC in the building/ construction industry. A few best design practices (Beaded Ceiling, pre-fabricated corners, fabricated column wraps, window surrounds, and thermal expansion joint design). Some of the “Green” attributes of PVC that make it an ideal exterior building product.
2:45 PM to 3:30 PM Classroom C 1 HSW-SD-PDH	Geothermal HVAC in Retrofit Applications Instructor: Richard Pandolfi, Green Logic Energy	Compare the many benefits that can be gained from specifying geothermal systems in your designs. Ground-source (or geothermal) heat pumps may prove to be one of the most efficient ways to produce more sustainable, energy-efficient structures. Specify systems that can meet the Energy Star and HERS ratings
Time: 4:00 PM to 4:45 PM Classroom A 1 HSW-SD-PDH	Cellular Glass Insulation, Instructor: Axel Rebel, Vice President & General Manager North America Building Division, Pittsburgh Corning Corp.	Participants will learn what basic raw materials are used and how cellular glass insulation is manufactured. Participants will learn about the unique properties of cellular glass insulation and how cellular glass insulation can solve building design problems. Participants will learn the various building applications where cellular glass insulation can be utilized in a building envelope.
Time: 4:00 PM to 4:45 PM Classroom B 1 HSW-SD-PDH	Detailing Masonry Wall Systems Instructor: Kenneth Schmitt, Hohmann & Barnard	Design masonry veneer wall systems and related components to achieve sustainable walls. Detail cavity wall systems constructed of brick, architectural block and stone veneer.
Time: 5:15 PM to 6:00 PM Classroom B 1 HSW-SD-PDH	Sustainable Surfacing Solutions 101 In- structor: Kathryn Latham, Wilsonart	Define Sustainability and Environmentalism, Identify the Shades of Green, Recognize common sustainable terms and theories, recognize the value of Indoor Air Quality and Certification, Understanding LEED and where interior surfacing points could apply.
Time: 5:15 PM to 6:00 PM Classroom C 1 HSW-SD-PDH	Air Barriers: An Essential Part of Contempo- rary Building Envelopes Instructor: John C. Bachenski, Area Director of Market Develop- ment/Technical Services, International Ma- sonry Institute, NYC & NJ	Analyze exterior wall constructions to determine the proper requirements for air barrier placement. Design exterior walls to resist air & moisture penetration. Identify the elements that constitute an air barrier system.

**AIA Long Island Chapter welcomes all
architects, engineers, landscape architects, designers and builders.
Wednesday, April 21, 2010
Crest Hollow Country Club
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Classes begin at 9:00 AM
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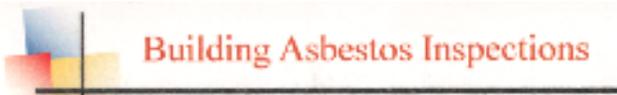
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OF

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November 20, 2008

Dear Colleague,

The Queens Chapter – NYSSPE is soliciting contributions from Engineers and Architects in the NY area to help fund a lawsuit by the NY State Society of Professional Engineers (NYSSPE) against the City of New York. As you probably already know, the NY City Council recently passed a law changing the City Charter, at the insistence of Mayor Bloomberg, which removed the licensure requirement from the Commissioner of the Department of Buildings. The new law now states that the Buildings Commissioner need not be licensed. Presently, an unlicensed lay person is Buildings Commissioner.

The Queens Chapter is leading the fight in the NY Metropolitan area AGAINST the Mayor's irresponsible actions which endanger the public's health, safety and welfare while undermining and diminishing both the Engineering and Architectural professions.

The Queens Chapter leadership is asking all Engineers and Architects to contribute to a legal fund which will support the NYSSPE legal suit against the City of New York. Please make whatever contribution is within your means.

It's about time we stand up for our Profession and the people of New York!

Suggested contributions:

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Please make checks payable to: "Queens Chapter – NYSSPE" Memo: "Legal Fund"

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