

Catherine Borgia
Chairwoman of the Board
Legislator, 9th District



TO: James Nolan, Chair, Committee on Appointments
Sunday Vanderberg, Clerk of the Board of Legislators

FROM: Catherine Borgia, Chairwoman of the Board of Legislators

DATE: February 25, 2022

RE: Appointment to the Westchester County Board of Health

As a vacancy exists, I hereby recommend the appointment of Udomlug Siriphonlai, of White Plains, as an At-Large Member of the Westchester County Board of Health for a term to commence upon approval and to expire on December 31, 2024. This will complete the term of the vacant position.

This appointment is in accordance with Section 343 of the New York State Public Health law and Section 149.21 of the Westchester County Charter and is subject to approval by the Board of Legislators.

Please place this memo and the attached resume on the March 7, 2022 Westchester County Board of Legislators meeting agenda for referral to the Appointments Committee.

Thank you.

Udomlug Siriphonlai

47 Cloverdale Avenue, White Plains, New York 10603

Telephone (914) 422-1212

Email: usiriphonlai@whiteplainsny.gov

EDUCATION: Master of Science in Chemical Engineering, Manhattan College, 2000
Bachelor of Science in Chemical Engineering, Manhattan College, 1999

REGISTRATION: Professional Engineer – New York 2008 - Present
Professional Engineer – Connecticut 2005 - Present

WORK

EXPERIENCE: **City of White Plains Department of Public Works, White Plains, New York**
Deputy Commissioner

May 2019-Present

Manage program staff for bureaus of water, sewer and engineering with approximately 60 engineers, water and sewer professionals. Responsible for overseeing the operations of water, sewer, storm facilities as well as managing design of water, sewer and storm utilities, supervising the assessment and evaluation of design of all projects affecting utilities. Responsibilities also include managing capital projects for all City properties as well as construction oversight for

Water Supply: Responsible for the operations of up to 20 million gallon per day water treatment facilities as well as water distribution system. Responsibilities include supervising design as well as assessment and evaluation of design of proposed new water treatment facilities and upgrade to distribution system. Oversee construction inspections efforts to ensure that installations are in accordance with the design as well as satisfy the United States Environmental Protection Agency (USEPA), New York State Department Of Health (NYSDOH) and Westchester County regulations. Responsibilities also include preparing budget and schedule for capital projects.

Wastewater and Storm Water Program Responsible for supervising the design, assessment and evaluation of design of wastewater and storm water system upgrades and ensuring that the designs and operations are in compliance with standards. Responsibilities also include ensuring that existing wastewater treatment facilities operate in accordance with permit conditions. Prepare budget and invoices for Water Quality Management Program, agreement with NYSDEC.

Capital Projects Responsible for supervising the design and construction of City facilities improvements.

Westchester County Department of Health, Mount Kisco, New York

Associate Engineer

Senior Engineer

Assistant Engineer

April 2013-May 2019

January 2009 –April 2013

March 2007 – December 2008

Manage program staff for a bureau with 30 engineering, technical and clerical personnel. Responsible for administering environmental programs which regulate construction and operation of private, public and municipal water and sewerage systems and other environmental facilities. Responsible enforcing provisions of public health law for water supply, wastewater, land development, public swimming pool and air pollution control engineering. Perform public health investigation and represent Department of Health on matters related to environmental health in administrative hearings. Assist in developing public health policies as well as negotiating and preparing budgets for interdepartmental agreement for reimbursable activities.

Water Supply Program Responsible for supervising the assessment and evaluation of design of proposed new community and non-community public water supply treatment systems. Perform site inspections to ensure that installations are in accordance with the design as well as satisfy the United States Environmental Protection Agency (USEPA), New York State Department Of Health (NYSDOH) and Westchester County regulations. Oversee sanitary survey effort to ensure that adequate and safe drinking water is supplied to consumers for community water systems serving more than 500,000 Westchester County residents. Work with NYSDOH and USEPA regarding regulatory compliance issues. Prepare policy and procedures for legionella response program. Responsibilities also include preparing budget and work plan for the drinking water enhancement grant (agreement with NYSDOH) and legionella response.

Water Quality (Wastewater Treatment) Program Responsible for supervising the assessment and evaluation of design of wastewater treatment facility upgrades and ensuring that the designs are in compliance with the Recommended Standards for Wastewater Treatment Facilities and New York State Department of

Environmental Conservation (NYSDEC) Design standards for water treatment works. Responsible for ensuring that existing wastewater treatment facilities operate in accordance with permit conditions. Prepare budget and invoices for Water Quality Management Program, agreement with NYSDEC.

Land Development Program Responsible for supervising the assessment and evaluation of design of private wells and onsite wastewater treatment systems (septic systems) to ensure that the designs are in accordance with the Westchester County rules and regulations.

Public Swimming Pools Program Responsible for supervising as well as performing assessment and evaluation of the design of public swimming pools. Perform site inspections to ensure that construction of swimming pools is in accordance with the design and satisfies New York State and Westchester County Sanitary Codes. Implemented standardization program as well as provide training for inspectors performing routine inspection of public swimming pools.

Air Pollution Program Responsible for assessing and evaluating design of proposed new process and process modifications at production and manufacturing facilities to ensure that there would be no adverse impacts on air quality.

Henningson Durham & Richardson Architecture & Engineering, PC, White Plains, New York

Project Manager

January 2007 – March 2007

Project Engineer

June 2000 – December 2006

Involved in a variety of projects including design improvements, operation monitoring, environmental and performance testing, air quality, construction engineering and management, site investigation, telecommunications and traffic studies. Prepared budgetary estimates and negotiated contract terms with various clients.

New York City Department of Sanitation, New York. Involved in preparing the Environmental Impact Statement (EIS) for the New York City Solid Waste Management Plan and served as a task leader for the air quality and odor analyses. The air and odor analyses were performed following the New York City Environmental Quality Review (CEQR) methodology. Responsible for the existing and new solid waste transfer stations' on-site air quality and odor analyses which involved the use of the USEPA's Industrial Source Complex Short Term model, ISCST3 and AERMOD. Involved in developing project specific methodology for analyzing PM_{2.5}. Responsible for preparing the demolition package including drawings, specifications and demolition cost estimates for the Southwest Brooklyn Incinerator as well as coordinating the submittal reviewing process during the demolition of the Incinerator. Involved in preparing Request for Proposal (RFP) and Work Plan for the site investigation at Brooklyn Navy Yard.

Bristol Resource Recovery Facility, Bristol, Connecticut. Served as the Assistant Project Manager responsible for coordinating the various consulting services provided to the Bristol Resource Recovery Facility Operating Committee concerning facility operations and environmental compliance. Involved in coordinating technical efforts; attending project meetings with the client and facility operator; preparing the operations and maintenance reports and environmental compliance report and reviewing operator's invoices for the client. Responsible for inspections of the boilers, furnaces and air pollution control systems during major scheduled maintenance outages at the facility. Participated in the on-site monitoring of the facility's various environmental compliance tests, including the annual stack test and ash residue characterization. Involved in technical support for the refinancing of the facility's revenue bonds.

Middlesex County, Smith Creek, New Jersey. Served as the Assistant Project Manager involving with the feasibility study of dredging of Smith Creek in Woodbridge, New Jersey to improve channel conditions for recreational navigation. Responsibilities included coordinating the permitting effort with the New Jersey Department of Environmental Protection as well as hydrographic survey, sediment sampling, dredging and cost estimate with the surveyor and contractors.

Indiana Department of Environmental Management, Indiana. Responsible for reviewing air quality operating permit applications including Title V Permit, Federally Enforceable State Operating Permit and Minor Source Operating Permit for various types of new and existing facilities. Responsibilities also included preparing the permits for issuance to the facilities.

Onondaga County Resource Recovery Facility, New York. Served as the Assistant Project Manager responsible for coordinating the various consulting services provided to the client concerning facility operations and environmental compliance. Responsible for reviewing protocol and monitoring the facility's environmental compliance tests, including the annual stack test and semi-annual ash residue tests and operations on-site monitoring.

New York State Thruway Authority, New York. Involved in preparing the Environmental Assessment (EA) for the Yonkers Highway Speed E-ZPass Implementation Project and served a task leader in the air quality and energy analyses.

New York City Department of Environmental Protection, New York. Provided consulting services to the NYCDEP for review of environmental analyses included as part of environmental studies or environmental impact statements for various projects

Dutchess County Resource Recovery Facility, Poughkeepsie, New York. Provided engineering services for Dutchess County including Clean Air Act retrofit design projects at the Dutchess County Resource Recovery Facility. Responsibilities also included: preparing project schedules and cost estimates; preparing RFP packages for the retrofit and test programs; assisting in the design and design drawing preparations; coordinating the bid process; monitoring construction; facility inspections; and providing technical assistance to the Dutchess County Resource Recovery Agency.

MacArthur Resource Recovery Facility, Islip, New York. Responsibilities included: preparing construction drawings; specifications; schedules; RFP packages; and cost estimates; coordinating between contractors, operator, construction manager and client for the Clean Air Act retrofit projects at the MacArthur Resource Recovery Facility; facility inspections and monitoring of environmental compliance stack testing and relative accuracy testing for continuous emissions monitoring systems.

Cranston Wastewater Treatment Facility, Cranston, Rhode Island. Involved in the review of the Flue Gas Recirculation (FGR) system minor source permit, permit application and facilities operating data. Assisted in the economic evaluation of the different alternatives in improving the Cranston Wastewater Treatment Facility. Involved in conducting an independent cost estimate review for the upgrade and retrofit of the Facility's biosolids treatment system and the operations and maintenance cost of the Supplementary Treatment Facility. Involved in the review of the Municipal Industrial Pretreatment Program of the City of Cranston.

The Village of Rye Brook, Rye Brook, New York. Served as project manager and an extension of the Village of Rye Brook Department of Public Work staff responsible for reviewing the permit application and providing recommendations for the installation of Emergency Back-up Generators at an office park. Performed technical review of the air quality analysis as well as presented findings and recommendations at a public hearing and planning meetings.

Westchester County Department of Public Works, New York. Served as a project engineer responsible for developing Congestion Mitigation and Air Quality (CMAQ) emissions spreadsheet model for Westchester and Rockland County Signal-Retiming project.

I-95 Energy Resource Recovery Facility/Landfill and I-66 Transfer Stations, Virginia. Served as an Engineer involved with the review of the performance of air pollution control systems for the I-95 Energy Resource Recovery Facility.

City of Yonkers, New York. Served as an engineer responsible for preparing RFPs and Work Plan for the site investigations for a waterfront facility for the City of Yonkers.

Port Chester Wastewater Treatment Plant, Port Chester, New York. Involved in the acceptance testing of the air treatment system (wet scrubbers and carbon adsorbers) installed as part of the facility improvements project at the Port Chester Wastewater Treatment Plant. Served as an engineer involved with design of performance maintenance improvements at the wastewater treatment plant.

Hudson Falls/Adirondack Resource Recovery Facility, Washington/ Warren County, New York. Responsible for analyzing the operations data and preparing the annual report of the operations and maintenance of the Adirondack Resource Recovery Facility in Hudson Falls.

Cross Westchester Expressway, New York State Department of Transportation, New York. Assisted in the preparation of the cost estimate for the construction activities of the Cross Westchester Expressway.

Manhattan College, Riverdale, New York

September 1999 – May 2000

Served as a teaching assistant for the Unit Operations class.

Esso Public Company Limited (An affiliate of Exxon Corporation), Cholburi, Thailand

Summer 1998/99

Served as a process engineer intern responsible for vacuum distillation tower and fluid catalytic cracking unit.

Canaud Metalbox (Thailand) LTD., Samutprakarn, Thailand
Served as Research and Development Laboratory Trainee.

Summer 1994

PUBLICATION: U. Siriphonlai, A. Flynn, L. Theodore, *Principle and Practice of Engineering (PE): Problems and Solutions for Chemical Engineers*, National Council of Examiners for Engineering and Surveying, SC, 2000.

REFERENCES: Available upon request.