

NYC Industrial Waterfront Communities Pollution Prevention, Toxics Reduction, and Resiliency Planning

First Stakeholder Engagement Group Meeting

Tuesday, May 6th, 2014

THE POINT CDC, 940 Garrison Avenue, Bronx, NY 10474



Agenda

1. Welcoming remarks: 10 mins.

2. Introductions: 15 mins.

3. Project presentation: 30 mins.

- Goals & Objectives
- Tasks & Timeline
- Stakeholder Engagement Group role & commitment
- DEC Facility Assessment Form & Facilities to be Assessed
- Pollution Prevention/Green Engineering Implementation

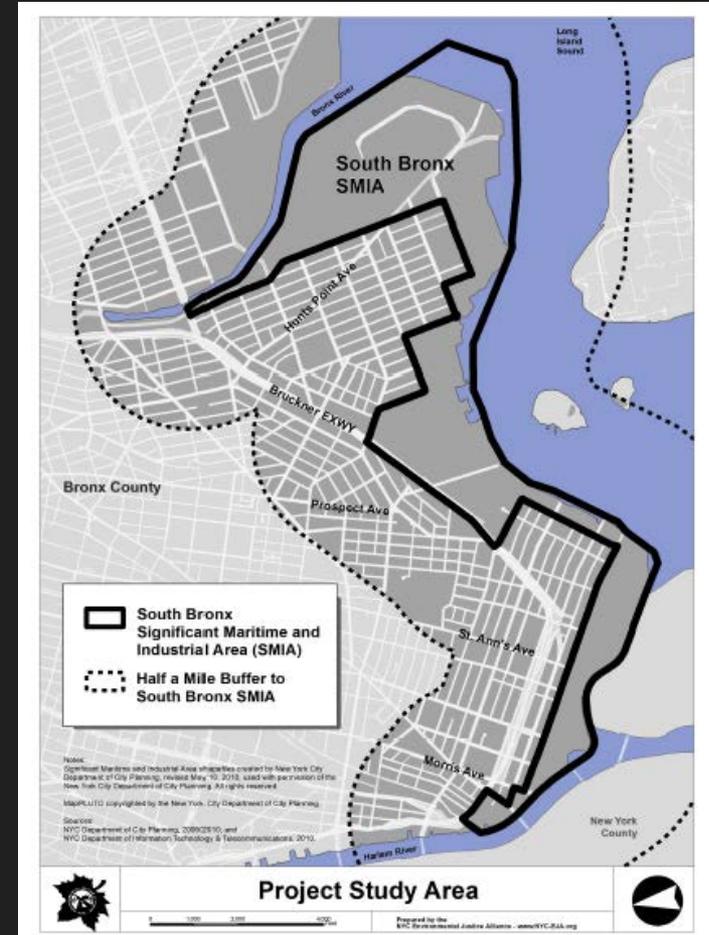
4. Discussion: 30 mins.

5. Next Steps & Final remarks: 5 mins.



Goals and Objectives

- Improve sustainability and climate resiliency in the South Bronx community and industrial waterfront
- Assess local businesses in order to identify and implement cost-effective strategies aimed at pollution prevention, toxics reduction, and climate adaptation
- Share best management practices to build resiliency for climate adaptation and pollution prevention



Tasks and Timelines

Task 1: Define and assess toxic potential exposure risk

- Convene Stakeholder Engagement Group to provide community input into identification of environmental and public health issues and risks, and facility site selection for assessments.
- Two semi-annual meetings of the Stakeholder Engagement Group planned.
- First meeting: Community input on Data Intake Form and facility selection for assessments
- Second meeting: Discuss preliminary assessment results, and development of best management practices.



Tasks and Timelines

Task 2: Inventory potential hazardous risk exposures

- Perform assessments of 60 companies
- Review existing local, state, and federal databases to supplement data from assessments
- Assessments to begin following review of input from First Stakeholder Engagement Group meeting



Tasks and Timelines

Task 3: Provide Pollution Prevention/Green Engineering Assistance

- Two businesses will be selected to receive pollution prevention/ green engineering assistance from the New York State Pollution Prevention Institute

Task 4: Document potential population impacts

- Identify and map populations vulnerable to health-related climate hazards in the South Bronx industrial waterfront area
- Map will be generated with potential hazardous risk exposures resulting from assessments, as well as including demographic, socioeconomic data, and emergency transportation infrastructure



Tasks and Timelines

Task 5: Develop Best Management Practices

- Develop best management practices “toolkit” for local businesses
- Identify technical and financial resources that may be available for businesses to implement best management practices
- Prepare a handout/literature with best management practices “toolkit” in order to educate local businesses on strategies to reduce their environmental footprint, and prevent human health impacts from unsustainable practices, as well as providing information on additional technical and financial resources that may be available.
- Post handout on NYSDEC, NYSP21, NYC-EJA websites



Tasks and Timelines

Task 6: Disseminate Knowledge and “toolkit”

- Organize and host two workshops in order to educate the public on best management practices “toolkit”
- Identify other opportunities to share and distribute best management practices “toolkit”



Stakeholder Engagement Group

Role

- The Group is responsible for advising, monitoring, and reviewing research methods and progress for all tasks in the project.

Commitment & expectations

- The Stakeholder Engagement Group will meet 4 times throughout the 2-year project (approximately once every 6 months)



The Point / NYC-EJA's Waterfront Justice Project forum

NYSDEC Facility Assessments

- 60 facilities will be assessed
- Each assessment will last approximately 1.5-2 hours
- Criteria for facility selection:
 - Petroleum storage capacity
 - Chemical storage capacity
 - Hazardous waste generation
 - Wastewater generation
 - Solid waste generation
 - Air emissions
- Facility selection open to input from Stakeholder Engagement Group



Facility Assessment Forms

Facilities will be provided with a Pre-Assessment Checklist

Each facility will be required to have this information on-site during the assessment:

- Material Safety Data Sheets for chemicals used by facility.
- Amount of chemicals used by facility, per year.
- Cost of chemicals used by facility, per year.
- Water bills for last 12 months.
- Wastewater bills for last 12 months.
- Electric bills for last 12 months.
- Amount and cost of hazardous waste disposal, per year.



Facility Assessment Forms

- Data Intake Form
 - Form to be completed by NYSDEC representative during assessment
 - Open to suggestions from Stakeholder Engagement Group

Data Intake Form

NYSDEC Contact: _____

1. General Company and Facility Information

Company Name:		
Address 1:		
Address 2:		
City:	County:	Zip Code:
Contact Name:	Title:	
Phone #:	E-Mail:	
Industry Type & NAICS Code(s):		
Have you undertaken any P2 projects in the past (please describe):		

2. Operational Information

Describe the types of processes performed:
Please specify hours of operation/number of shifts:
What is the number of employees at this plant location?

3. Potential Areas of Opportunity

Reduce environmental footprint (eliminate or reduce hazardous waste, wastewater, air emissions, solid waste)? <i>If Yes, explain in Additional Information section.</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Reduce energy consumption?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Increase productivity?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If improvements are identified, is the company able to commit resources and funding to implement equipment and changes?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
In the case that funds are needed to implement improvements, what level of return on investment (ROI) is acceptable?	Number of Years -	

4. Chemical Inventory (If more room is needed, use the Additional Information section)

Chemicals used and container size and material:	MSDS Yes / No	Annual Usage (gallons or lbs)	Annual Cost (dollars)
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Pollution Prevention Implementation

- Assessments will be used to select 2 sites for technical assistance from NYS Pollution Prevention Institute (NYSP2I)
 - Examples of pollution prevention/green engineering opportunities: replace solvent based paints with water-based paints to reduce VOC emissions and hazardous waste generation, reduction in use of solvent based paint strippers, installation of vacuum sanding machines to prevent exposure to potential toxic dust, installation of distillation units to recover spent solvent, improve washing operation to prevent wastewater release to drains
- NYSP2I work with business in order to select and install equipment, and to train business staff, where applicable



Pollution Prevention Implementation

- Budget of \$10,000 per company to implement pollution prevent/green engineering improvements to business
- Analyze metrics for pre and post business modification for each company (cost, energy use and savings, changes in water use, wastewater generation, hazardous waste generation rates)



DISCUSSION

- Facility Assessment Intake Form & Checklist
- Outreach to local businesses



Next Steps

- Assessments will be used to develop best management practices “toolkit”
- Best management practices “toolkit” will be used to educate local businesses/community to implement pollution prevent and green engineering strategies



THANK YOU!

For additional information please contact us at:

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