# Office of Construction Safety (OCS) Safety and Site Support

# Site Safety Plan (SSP)

**DDC** Projects



# Welcome



### Andrew Melnyk, OCS Director

- What is an SSP
- SSP Development and Submittal Process
- SSP Content
- SSP User Manual
- SSP Status and Submittal Timeframe





SSP is a document specific to the project work scope and shall address hazards associated with the project tasks and include specific safety procedures and training appropriate and necessary to complete the work. The SSP is subject to review and acceptance by the Office of Construction Safety (OCS).



# Site Safety Plan (SSP)



- In the SSP the contractor will provide a <u>DETAILED</u> work scope, determine potential hazards, and have procedures to mitigate identified hazards at the construction site.
- The SSP should include all involved parties (e.g. GC, subcontractors, consultants, etc.) and their responsibilities at the project.
- Involved employees shall be trained on the SSP requirements, evaluation and enforcement of safety procedures and hazard mitigation.



# SSP Development and Submittal Process:

Roles and Responsibilities



## Roles and Responsibilities

SSP development, submittal and review process involves three parties:

- Contractor
- Project Staff, and
- Office of Construction Safety (OCS).

All three play an important role in ensuring that the SSP is well developed and reviewed expeditiously.



## **Project Staff Responsibilities**

**Project Staff** – Through the SSP APP, reviews and verifies the contractor has:

- Selected applicable construction activities
- Completed and attached required templates
- Attached required documentation (drawing, MPT, records. etc.)

If SSP is incomplete, has inaccurate information or missing documentation, Project Staff returns SSP to the contractor for revision and resubmission.

When information in SSP is deemed comprehensive and sufficient, the SSP will be submitted by Project Staff to OCS for review and acceptance determination.





## **OCS** Responsibilities

### **OCS Code Compliance Unit**

- Reviews SSP prepared by the contractor and submitted by Project Staff
- Evaluates each section and applicable template is reviewed for completeness
- Determines status (Acceptable, Unacceptable, and Conditionally Acceptable) and provides review results





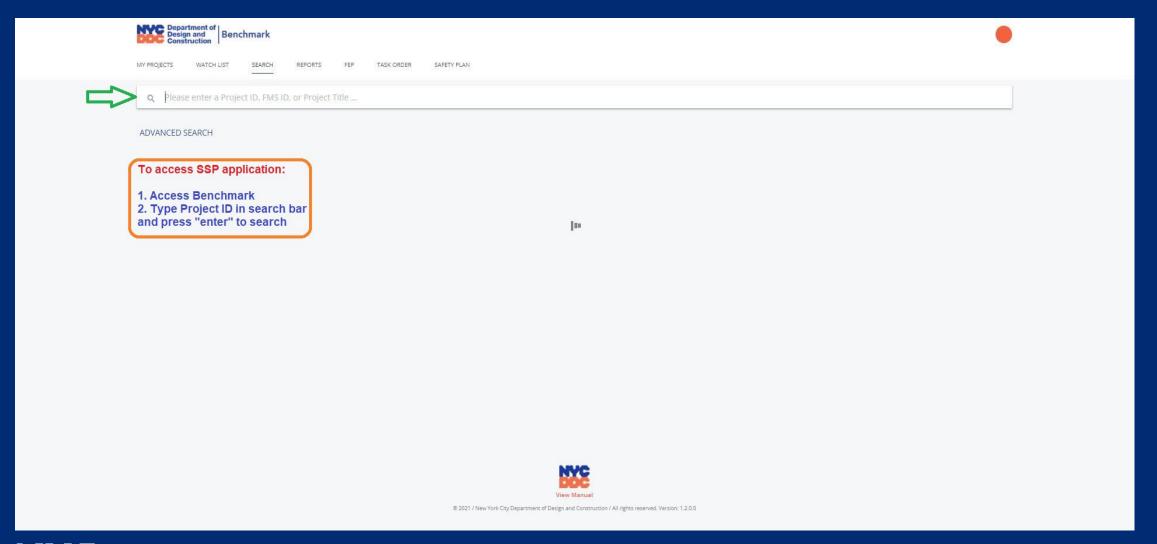
# SSP Development and Submittal Process:

SSP Application Access by Project Staff



# Site Safety Plan – Benchmark access

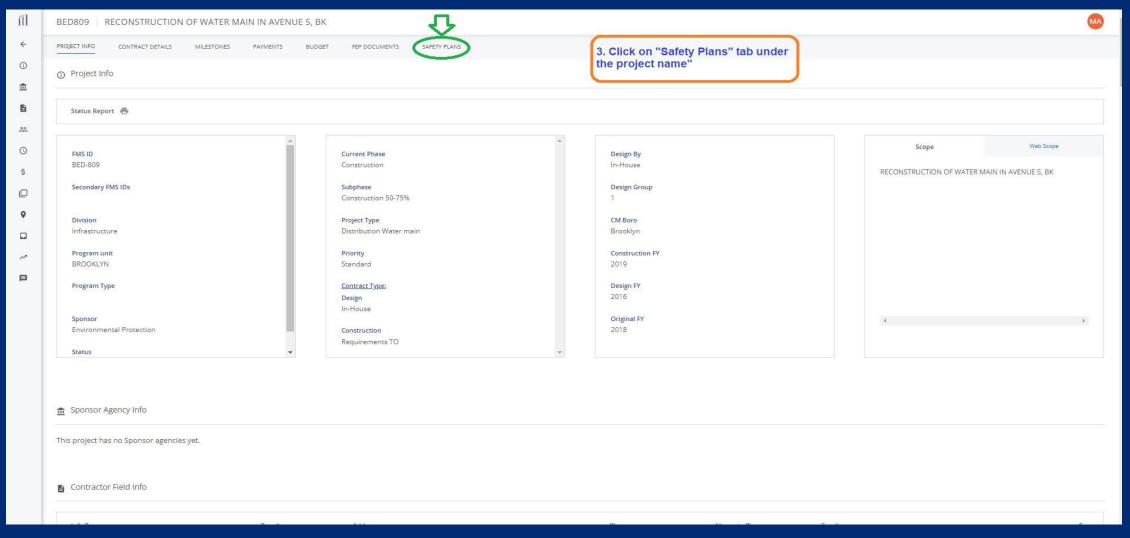






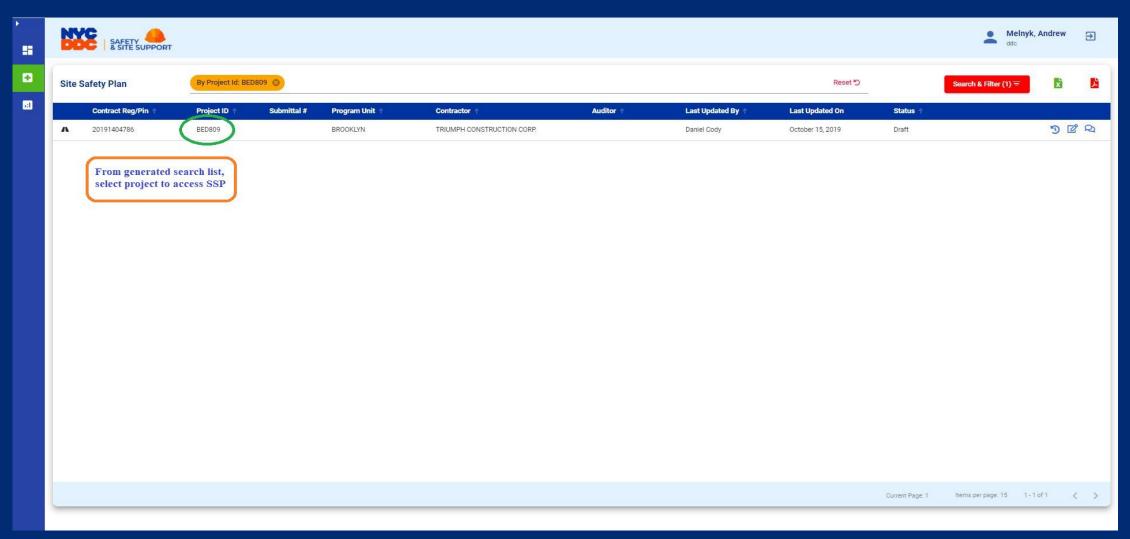
# Site Safety Plan – Benchmark access





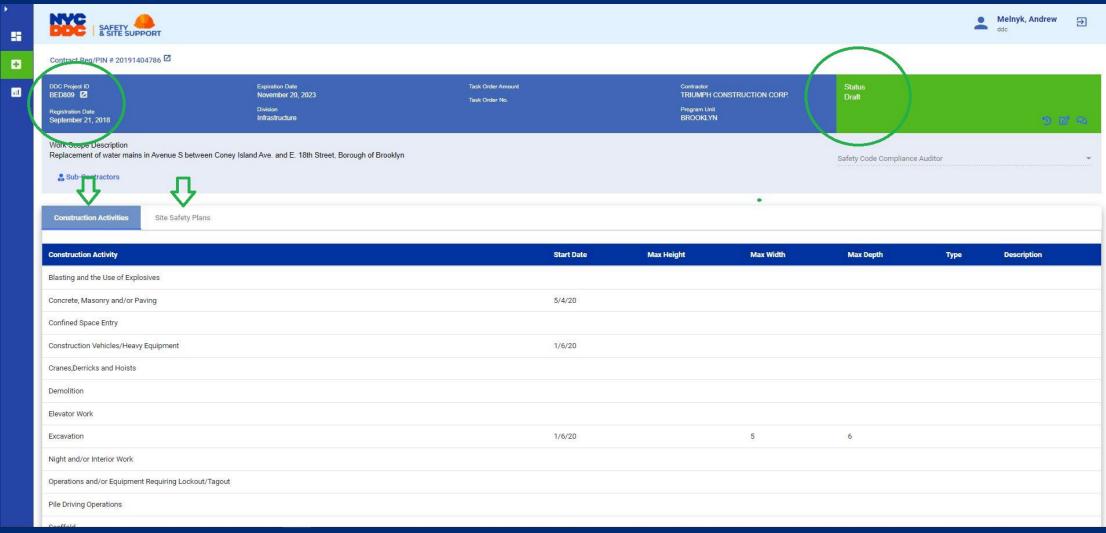


# **Site Safety Plan Application**





# **Specific Site Safety Plan**



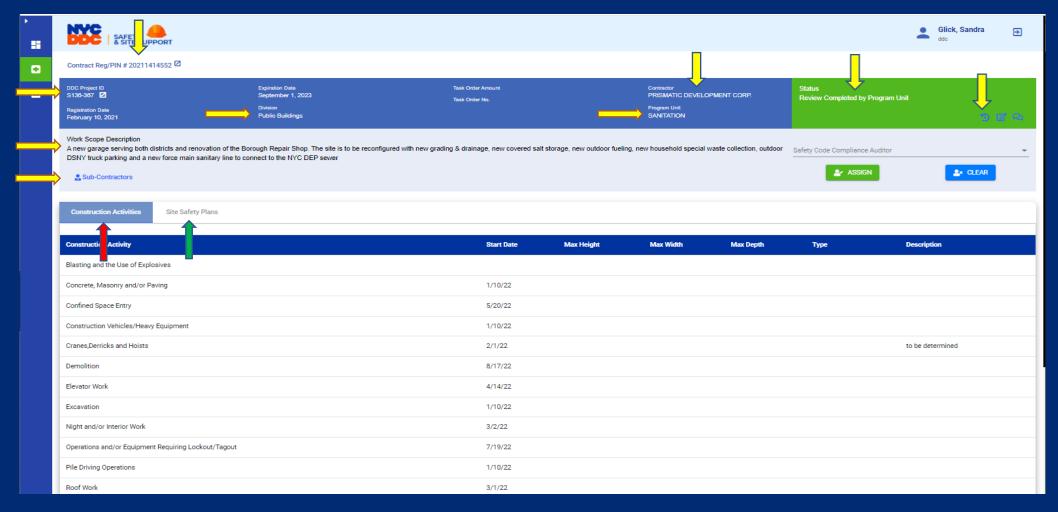


### Sandra Glick, Chief of Code Compliance unit, OCS

### **SSP Content**



# **SSP Project-related Information**





### Determining Applicable Sections of SSP

- A well-defined scope of work will dictate the selection of project-specific sections (Construction Activities).
- General sections or elements will vary depending on whether it's a Public Buildings or Infrastructure project.
- All SSPs for all projects have Mandatory Sections.

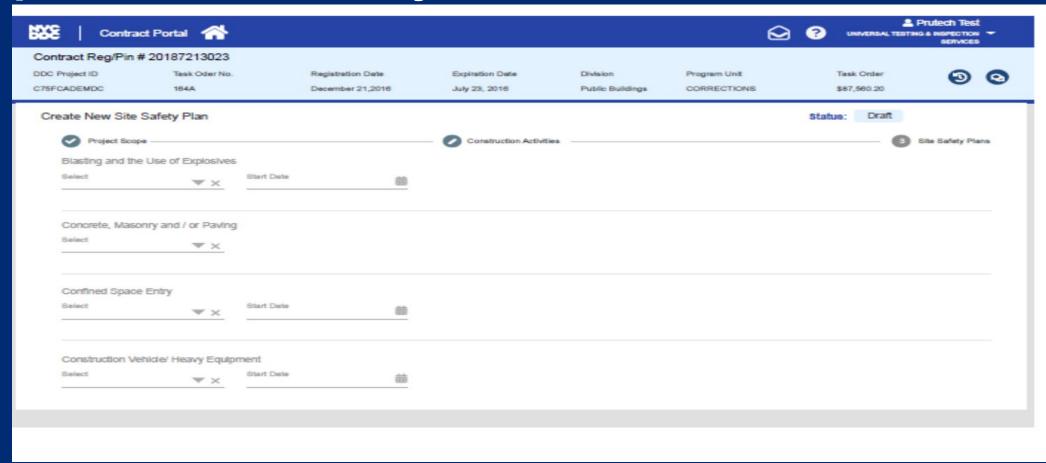


## **Construction Activities - Examples**

- Blasting and the Use of Explosives
- Concrete, Masonry and/or Paving
- Confined Space Entry
- Construction Vehicles/Heavy Equipment
- Cranes, Derricks, and Hoists
- Demolition
- Elevator Work
- Excavation



# Preparation of SSP by a contractor



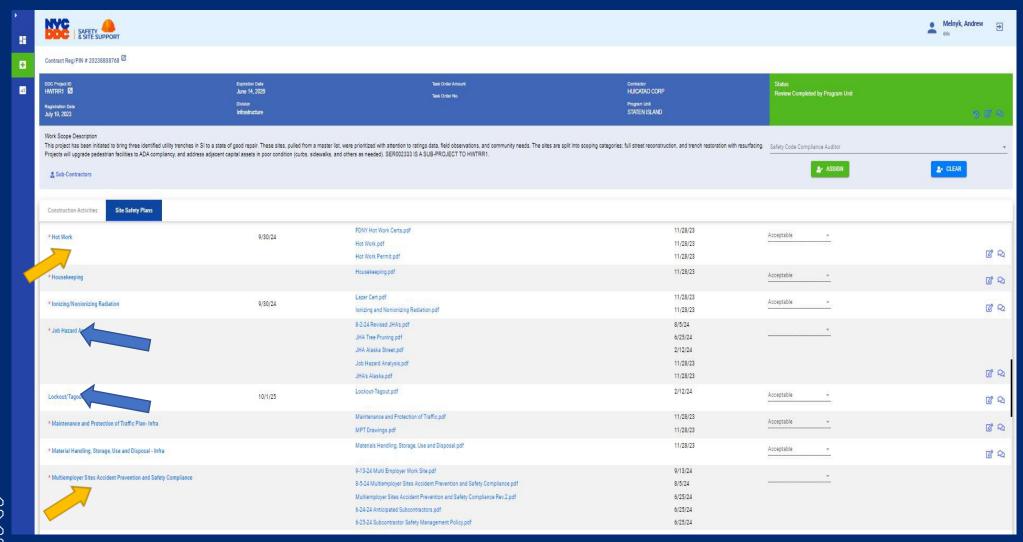


# Preparation of SSP by a contractor

Construction Activities Site Safety Plans						
Construction Activity	Start Date	Max Height	Max Width	Max Depth	Tune	Description
	Start Date	Max neight	Max Width	Max Depui	Туре	Description
Blasting and the Use of Explosives			Λ	Δ	Δ	Δ
Concrete, Masonry and/or Paving	2/9/22					
Confined Space Entry	2/4/22	_				
Construction Vehicles/Heavy Equipment	2/15/22					
Cranes,Derricks and Hoists						
Demolition	12/15/21					
Elevator Work	5/6/22					
Excavation	2/4/22		16	6	=	
Night and/or Interior Work	12/15/21					
Operations and/or Equipment Requiring Lockout/Tagout	7/11/22					
Pile Driving Operations						
Roof Work	3/8/22					
Scaffold	12/20/21	18			pipe scaffolding	<b>=</b>
Sidewalk Shed						
Steel Erection	1/26/22					
Use of Radioactive Materials and/or Use of X-Ray Equipment or Laser						
Welding and Cutting	1/26/22					
Work or Placement of Equipment and Material at Roadway and Sidewalk	2/15/22					
Working at Height (6 feet and above)	12/20/21					baker scaffold on floors, supported scaffold at monumental stairs



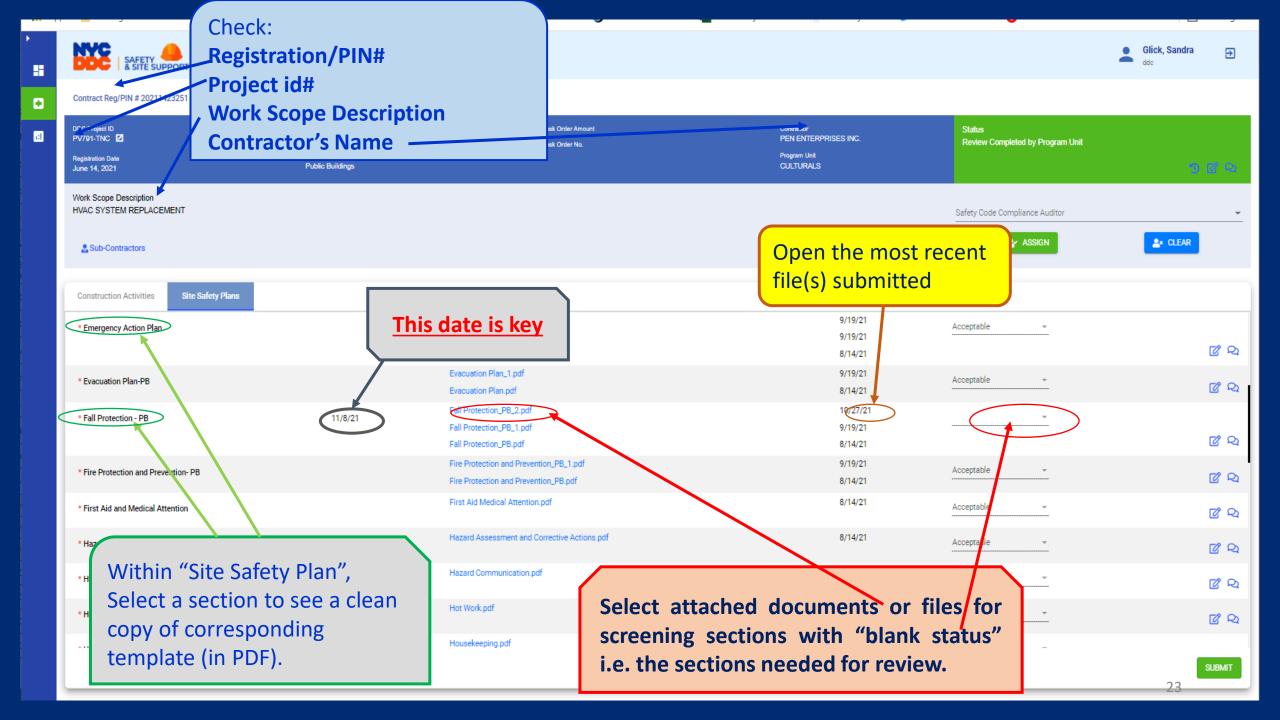
# Construction Activities & Mandatory Sections

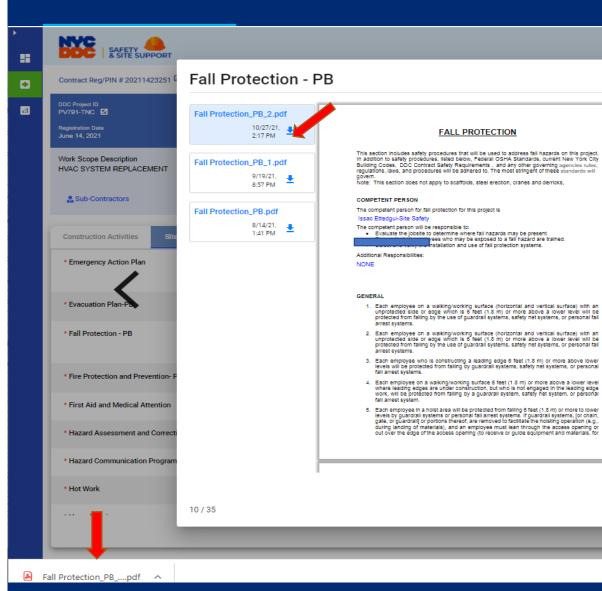




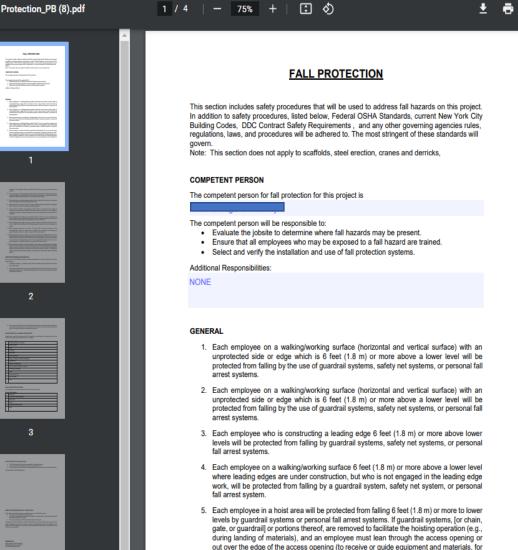
# SSP User manual: Program Unit's Role













exposed to damage, will be visually inspected by a competent person before each day's use for:

- a. external defects, such as deformed or missing pins or insulation damage, and
   b. indications of possible internal damage.
- Equipment found damaged or defective is not to be used until repaired and is to be removed from service immediately.
- All lighting fixtures for general illumination will be protected from accidental contact or breakage. Metal-case sockets will be grounded.

LOCKOUT & TAGOUT PROCEDURES
Applicable?



Lockout and Tagout procedures are covered in the Lockout and Tagout section of this plan.

### ADDITIONAL REQUIREMENTS

The following additional safety measures and procedures will be implemented:

### Enter additional procedur-

REFERENCES

OSHA 29 CFR 1926 Subpai

New York City Electrical Co.

DDC Contract Safety Requi



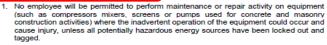
- Concrete mixers with one cubic yard (0.8 m³) or larger loading skips will be equipped with the following: a mechanical device to clear the skip of materials and guardralls installed on each side of the skip.
- Powered and rotating type concrete troweling machines that are manually guided will be equipped with a control switch that will automatically shut off the power whenever the hands of the operator are removed from the equipment handles.
- 5. Concrete buggy handles will not extend beyond the wheels on either side of the buggy.
- Concrete pumping systems using discharge pipes will be provided with pipe supports designed for 100 percent overload. Compressed air hoses used on concrete pumping system will be provided with positive fail-safe joint connectors to prevent separation of sections when pressurized.
- Concrete buckets must employ safety features including but not limited to positive safety latches and hang up prevention to prevent premature or accidental dumping. Will be designed to prevent concrete from hanging up on top and the sides.
- Tremies must be secured with wire rope. Bull float handles will be made of or sheathed by non-conductive materials.
- Bull float handles used where they might contact energized electrical conductors, II be constructed of nonconductive material or insulated with a nonconductive sheath whose electrical and mechanical characteristics provide the equivalent protection of a handle constructed of nonconductive material.
- 10. Masonry saws will be guarded appropriately with a semicircular enclosure over the blade. A method for retaining blade fragments will be incorporated in the design of the semicircular enclosure.

Lockout/Tagout procedures.

Applicable







- Taqs will read "Do Not Start" or similar language to indicate that the equipment is not to be operated.
- Only the designated employee performing the maintenance or repair activity is permitted to have the keys for the lock out device.

### LOCKOUT / TAGOUT

This section describes lockout / tagout procedures to be followed. Lockout / tagout is a necessary requirement for maintaining safety of workers and the general public at construction sites by controlling hazardous energy including electrical, mechanical, hydraulic, pneumatic, chemical, thermal sources and others particularly during servicing and/or maintenance of machines and equipment.

### GENERAL

All employees are required to comply with the restrictions and limitations imposed upon them during the use of lockout/tagout. All employees, upon observing a machine or piece of equipment which is locked/tagged out shall not attempt to start, energize, or use that machine or equipment.

### LOCKOUT AND TAGGING OF CIRCUITS

Controls, equipment, and circuits will be tagged when de-energized at all points where reenergization is possible. Tags will be placed to identify plainly the equipment being worked on. The following employee(s) is responsible for implementation of Lockout and Tagging of Circuits:

### Enter name(s)/title(s)

### REQUIREMENTS FOR EQUIPMENT AND TOOLS

Ejection systems for bulk cement storage must be shut down, locked out, and tagged prior to employees entering the storage facility.

Employees will not perform maintenance on any concrete and masonry equipment such as compressors mixers, screens or pumps, unless all potential hazardous energy sources have been locked out and tagged. Tags will read Do Not Start or similar language to indicate that the equipment is not to be operated.

### MACHINES AND EQUIPMENT

Applicable





- An energy control program will be developed to address potential sources of hazardous energy on a construction site and will include the following elements:
  - a) Energy control procedures
  - b) Employee training
  - c) Periodic inspections
- An authorized person will be required to conduct periodic inspections to identify any deviations in the energy control program procedures. The following employee(s) is considered an authorized person(s) for our company:

### Enter name(s)/title(s)

- If equipment is able to be locked out, it will be, unless a tagout system can demonstrate to provide full employee protection. The tagout device will be placed where the lockout device would have been installed. Where equipment is unable to be locked out, a tagout system will be employed.
- 4. Energy control procedures as outlined in the energy control plan will describe:



## **Screening by Program Unit**

- Benchmark
- Construction activities. Work Scope
- Construction activities start dates. Schedule.
- Templates attached, completed, correspond to the section.
- Attachments applicable and task-specific. Examples: MPT plan, drawings, checklists, forms, copies of certifications. Note: Corporate Programs and HASPs, are NOT Reviewed.
- In templates use visible area only. For additional information, attachments shall be provided.
- JHAs must be submitted as separate attachments in addition to the template.
- Forms must be attached NOT inserted in the blank spaces of the templates.
- Ensure consistency throughout the SSP.
- Use "N/A" (Not Applicable) for templates that irrelevant to work scope.
- Templates, for previously completed SSPs, shall not be reused. Always download templates for each project.



### Andrew Melnyk, OCS Director

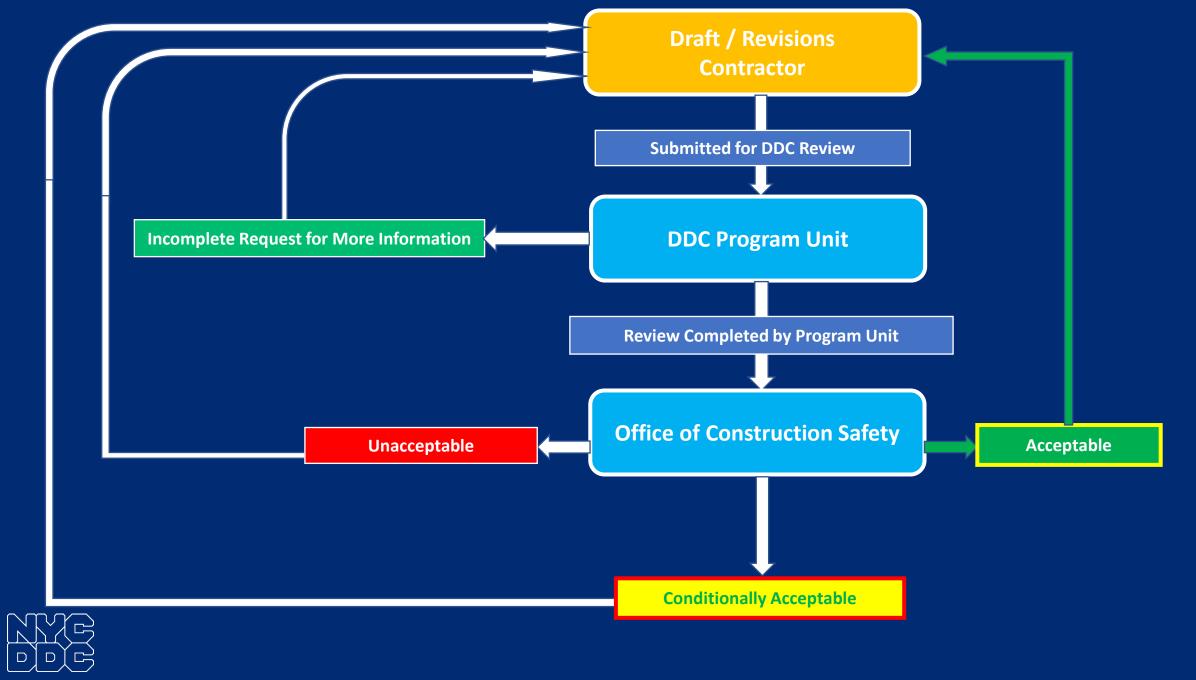
# SSP Status and Acceptance Timeframe



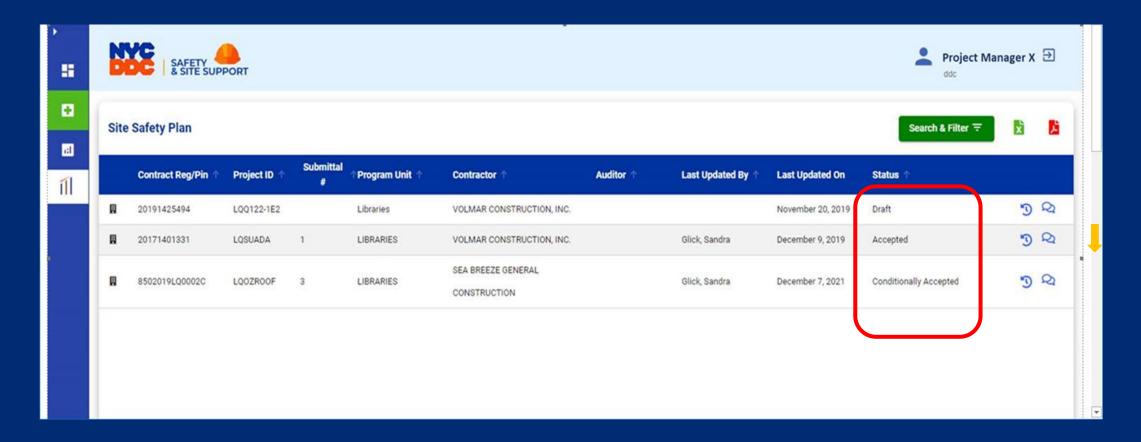
### SSP Status in APP

- Draft (Initiation, Creation of SSP)
- Submitted for DDC Review
- Incomplete Request for More Information
- Review Completed by Program Unit
- Acceptable
- Unacceptable
- Conditionally Acceptable



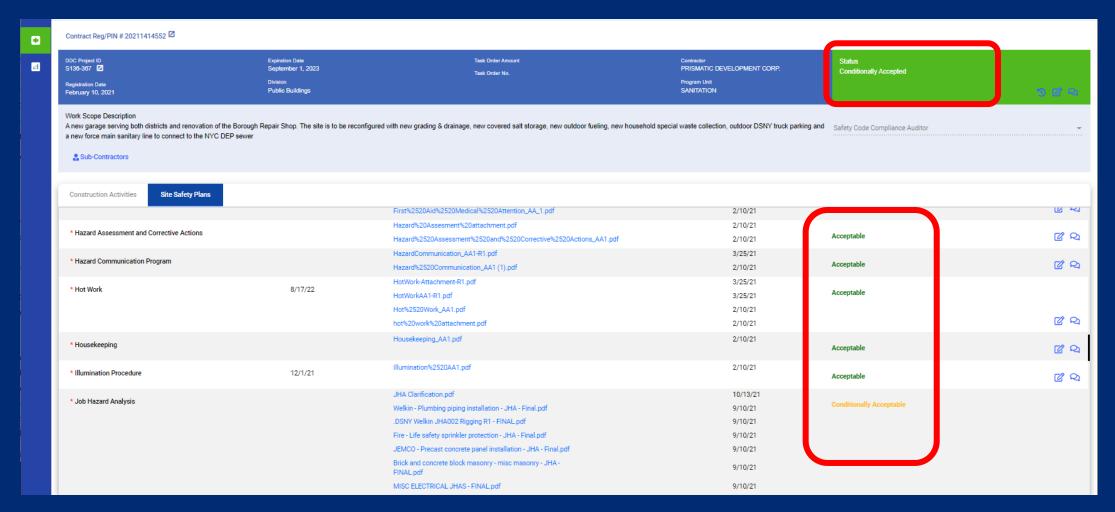


### **SSP Status – Individual**





### SSP Status - Overall and Individual Sections





### SSP Status: Email notification

The Office of Construction Safety has reviewed the Site Safety Plan (SSP) submitted by Contractor: **RESTANI CONSTRUCTION CORP.** for Project: **HWP20MXQC** and has determined that the SSP is **Conditionally Acceptable** and Contractor can proceed only with construction activities for which SSP sections were identified as "Acceptable".

No construction activities associated with the "Conditionally Acceptable" sections of SSP can commence at this time.

At least 30 calendar days prior to performing construction activities for which SSP sections were identified as "Conditionally Acceptable", the specific templates associated with those sections must be completed and uploaded with all required attachments, through the SSP application, for review and acceptance by the Office of Construction Safety.

If the contractor fails to provide the acceptable templates and required attachments prior to commencement of construction activities associated with the "Conditionally Acceptable" sections of SSP, the status of the Site Safety Plan will be changed from "Conditionally Acceptable" to "Unacceptable."

During the course of the project, the Contractor may be required to amend the SSP to address newly identified tasks and hazards. The contractor is required to have the Conditionally Acceptable SSP at the project site and available for review upon request. Forms, drawings, safety documentation, and permits shall be updated as the project progresses.





### **Acceptance Timeframe**

- Remind the contractor to provide required or missing information/documentation ASAP.
- Project Staff to screen within 5 working days from contractor submittal.
- Once SSP screening/review is completed by Project Staff, SSP is available for OCS to review.
- SSP reviewed by OCS in the order received (chronological).
- The entire SSP review process is a joint effort, and communication (comments, requested clarifications) within the SSP application is crucial.





### **Acceptance Timeframe Goals**

- Requests for expedited review of an SSP to be submitted by the division's Executive Level (Assistant Commissioner) and require comprehensive information and verification. If required information is not provided, the request to expedite may be declined.
- Expedited review will be granted based on valid justification and extenuating circumstances. Note: improper planning by contractors or project staff is not considered a valid reason.



# A&P



# Thank You!

