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COMMUNITY HEALTH & SAFETY PLAN OVERVIEW

LOWER 8.3 MILES OF LOWER PASSAIC RIVER (OPERABLE UNIT 2)

MARCH 10, 2022

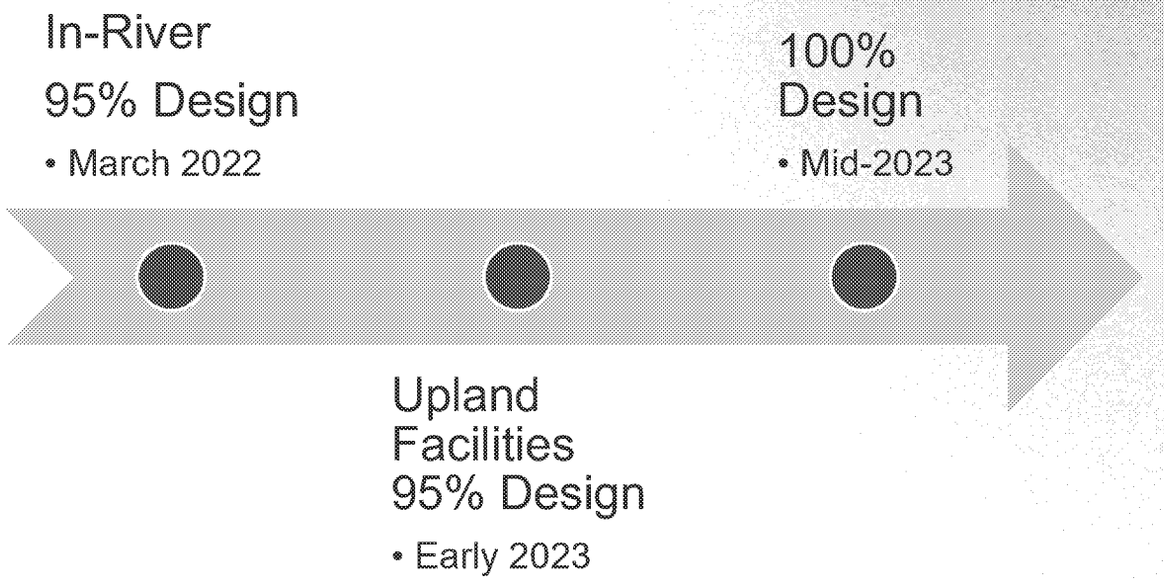
AGENDA

1. OU2 Remedial Design Progress
2. Goals of the CHASP
3. Work Area and Work Schedule
4. Environmental Monitoring Program
5. Project Safety Management
6. Community Engagement

OU2 REMEDIAL DESIGN PROGRESS

STATUS

- In-River 95% Design to be submitted end of March 2022
- 95% Design for upland processing and support sites ongoing
- Field work scheduled for 2022 to support design
  - PVSC property investigation
  - Sediment collection for sediment dewatering and water treatment bench-scale studies
- Supporting plans to be submitted in June 2022, including Community Health & Safety Plan



OU2 REMEDIAL DESIGN PROGRESS

2022 FIELD WORK

- Field Investigation at PVSC to support site development design
  - Geotechnical and subsurface data
  - Topographic and wetlands surveys
  - Cultural resources assessments

- Sediment processing design optimization bench-scale studies
  - In-river sediment collection
  - Sediment dewatering study at Lister Ave. Site
  - Water treatment study at offsite labs

COMMUNITY HEALTH & SAFETY PLAN

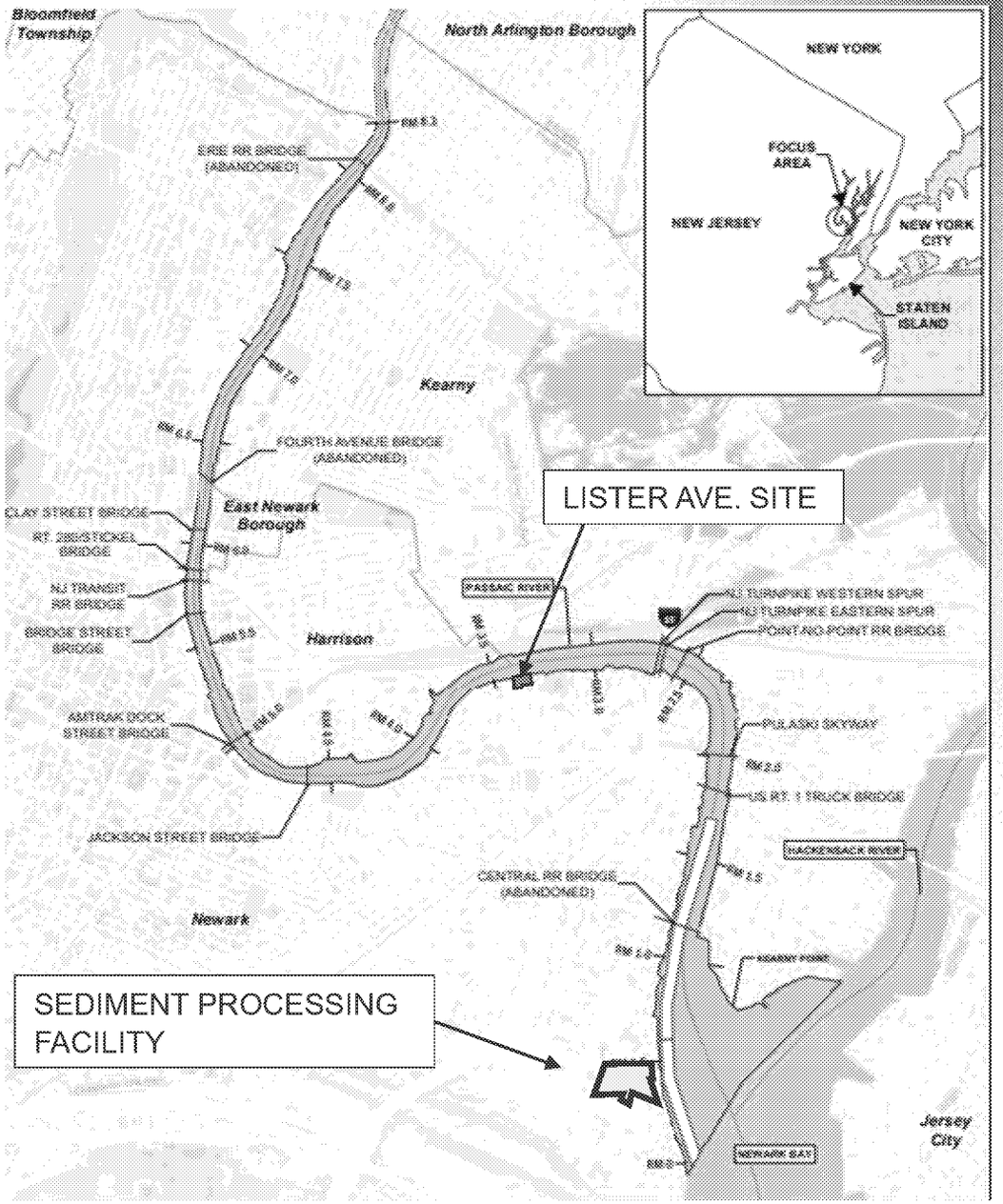
Goals of the Community Health and Safety Plan

- Monitor and manage air, odor, noise, light impacts to reduce impacts to the quality of life of the residents and public adjacent to OU2
- Provide for the safety of the public that may come near OU2 remedial construction operations
- Facilitate public engagement to address any concerns during construction

OU2 WORK AREA

Work Areas

- In-River - lower 8 miles
  - Dredging
  - Capping
- Sediment processing facility
- Lister Ave. Site
  - Cap material staging
- Other support sites to be located adjacent to river



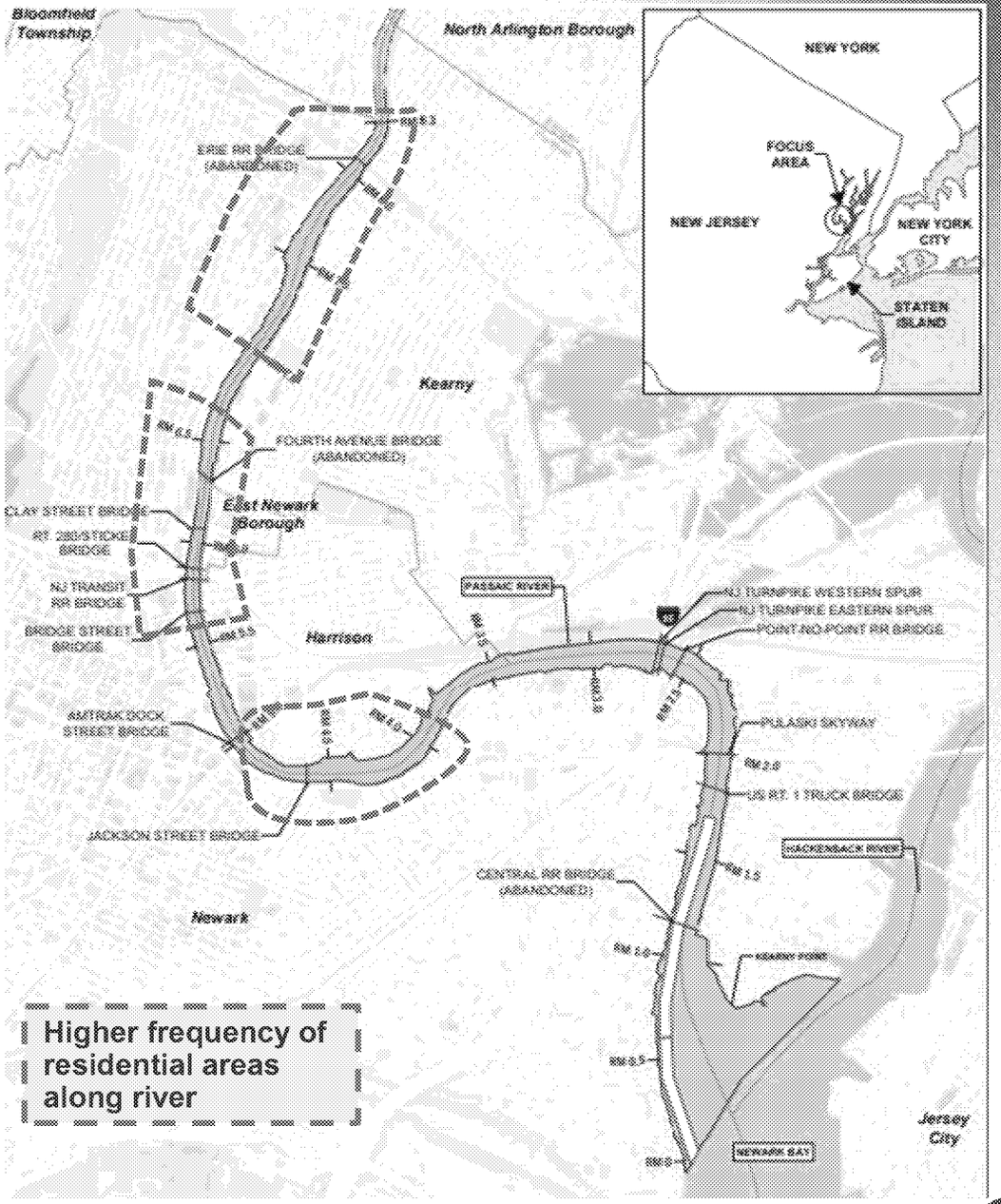
WORK SCHEDULE

Annual Seasonal Work

- July to late December / early January
  - NOAA & NJDEP fish window restriction (Jan. 15-June 30)

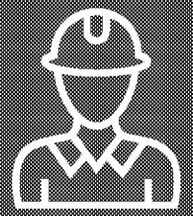
Weekly Schedule

- 6 days/week
  - 24 hours/day in non-residential areas
  - More limited hours near residential areas
    - 12 hours/day assumed for schedule
  - Will seek future community input on work hours near residences



ENVIRONMENTAL MONITORING PROGRAM

- Around in-river operations and upland facilities
- Types of monitoring:
  - Concentrations of hazardous chemicals in air
  - Noise levels from construction vehicles and machinery
  - Occurrence of objectionable odors from dredging
  - Light levels from safety lighting during nighttime work



Contractor will be required to **manage air emissions, odors, noise, and light**.

AIR SAMPLING FOR CHEMICALS OF CONCERN

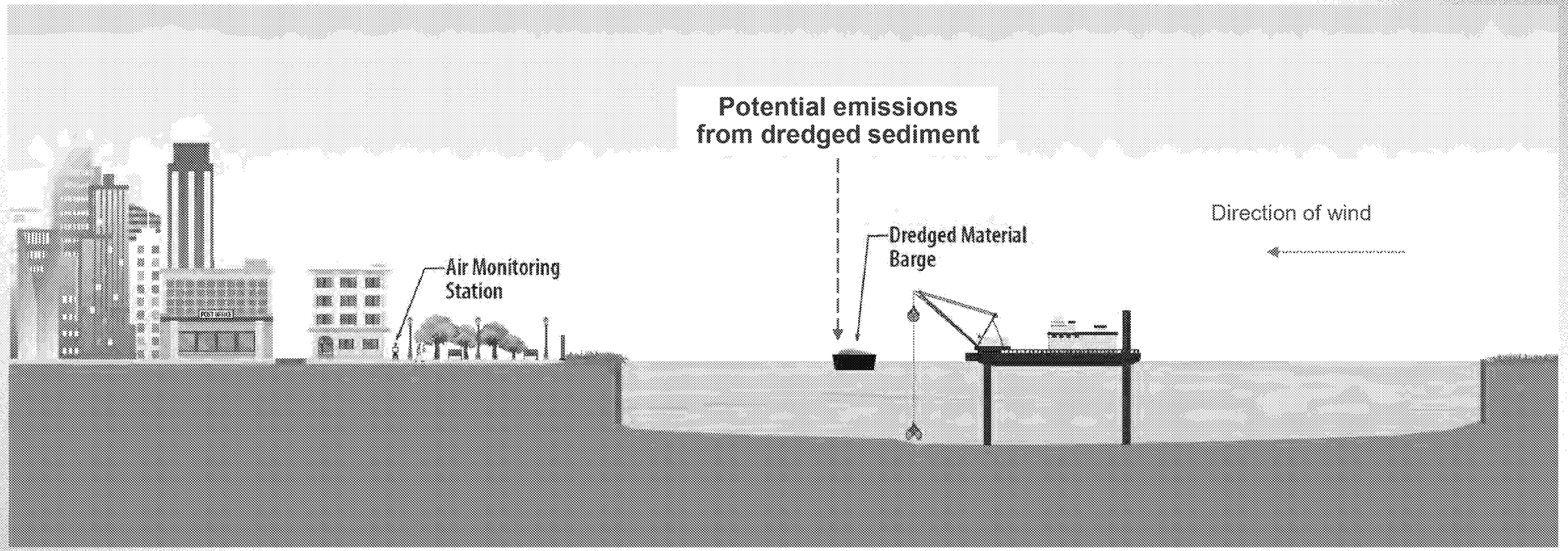
Potential Sources:

- Exposed dredged material
- Dry/processed dredged material
- Capping materials
- Exhaust emissions from construction and marine equipment

- Stations to be placed in neighborhoods near in-river operations during debris removal and dredging
- Stations to be placed around perimeter of sediment processing and support sites

Example of Air Sampling Equipment

EXAMPLE OF AIR SAMPLING – DREDGING

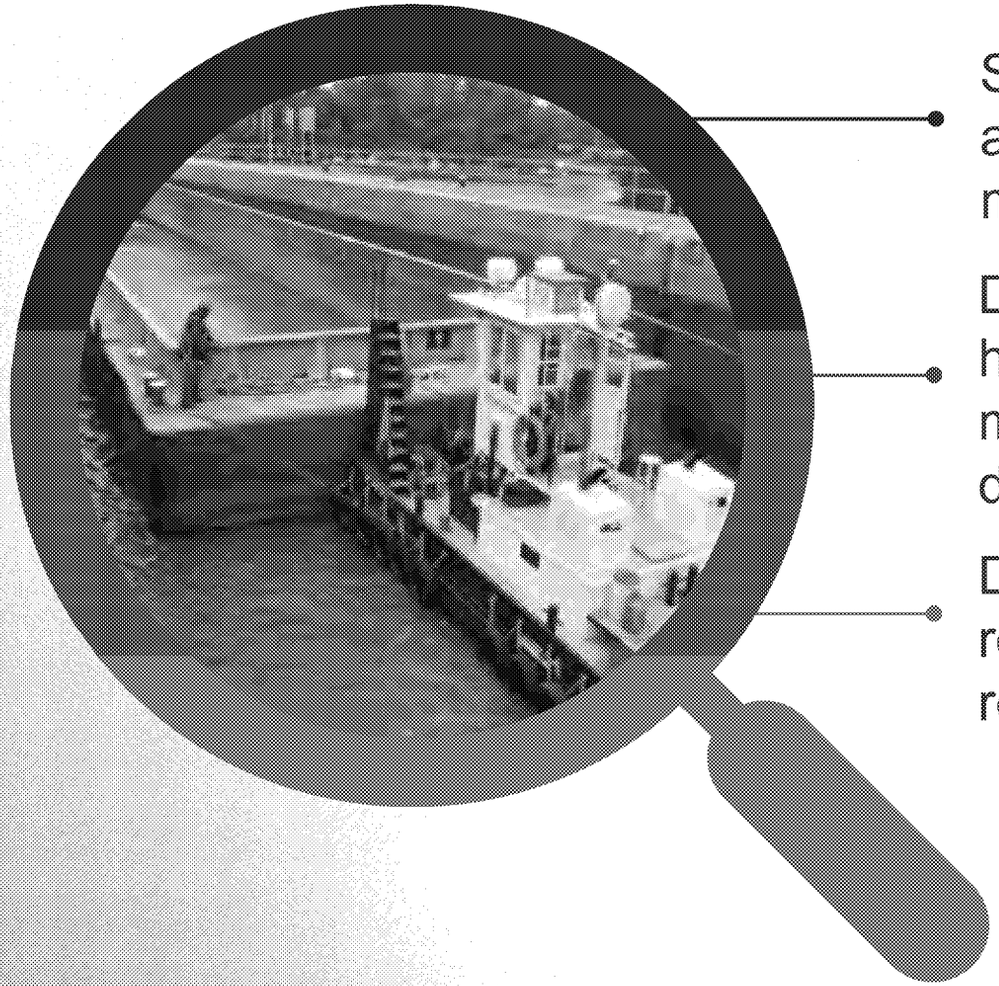


EXAMPLE OF AIR SAMPLING – SEDIMENT PROCESSING

- Upland sediment processing facility – fixed perimeter air sampling stations

One mile radius around facility is mainly non-residential

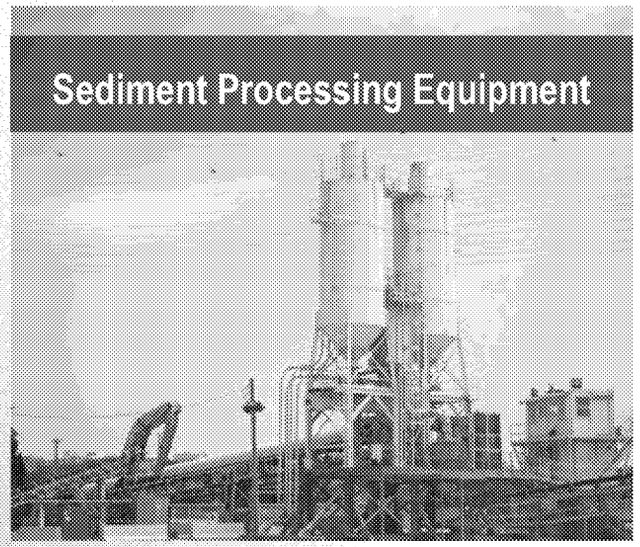
ODOR MONITORING



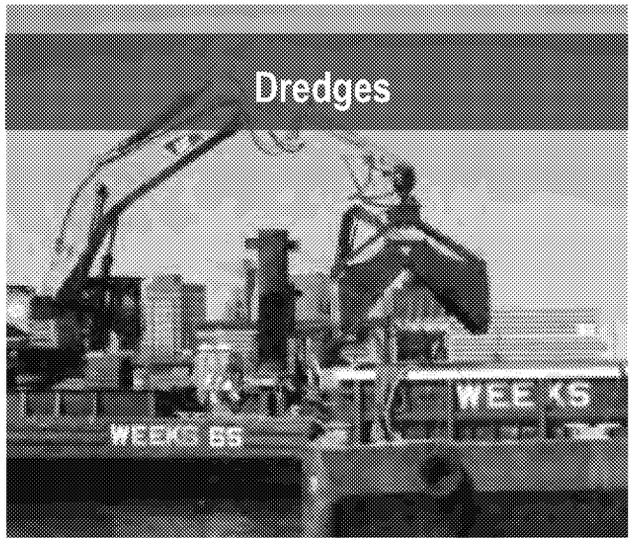
- Sediments from LPR contain industrial chemicals and organics from sewage overflows; rotting organic material may also cause objectionable odors
- Disturbing sediments during dredging and handling/dewatering at the upland processing facility may release odors – use of underwater hydraulic dredge in some areas expected to minimize odor
- Designated personnel involved with construction will routinely assess presence of these odors to mitigate releases if necessary

NOISE

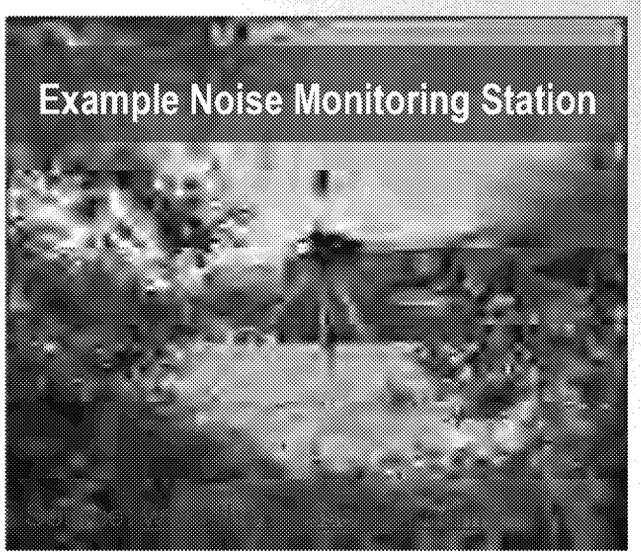
Noise levels from construction equipment will be monitored and managed to applicable concern levels



Construction equipment will include noise reduction features



Noise monitoring will be used to guide any needed adjustments to operations



Noise monitors will be used to detect ambient and construction noise

LIGHT

Safety lighting will be required during low-light conditions

Source: www.thegrasseriver.com

- Directional lighting and shields will be used to reduce light impacts
- Lighting observations will be routinely made to guide adjustments where needed
- Light levels will be sufficient to maintain worker and public safety during night work hours

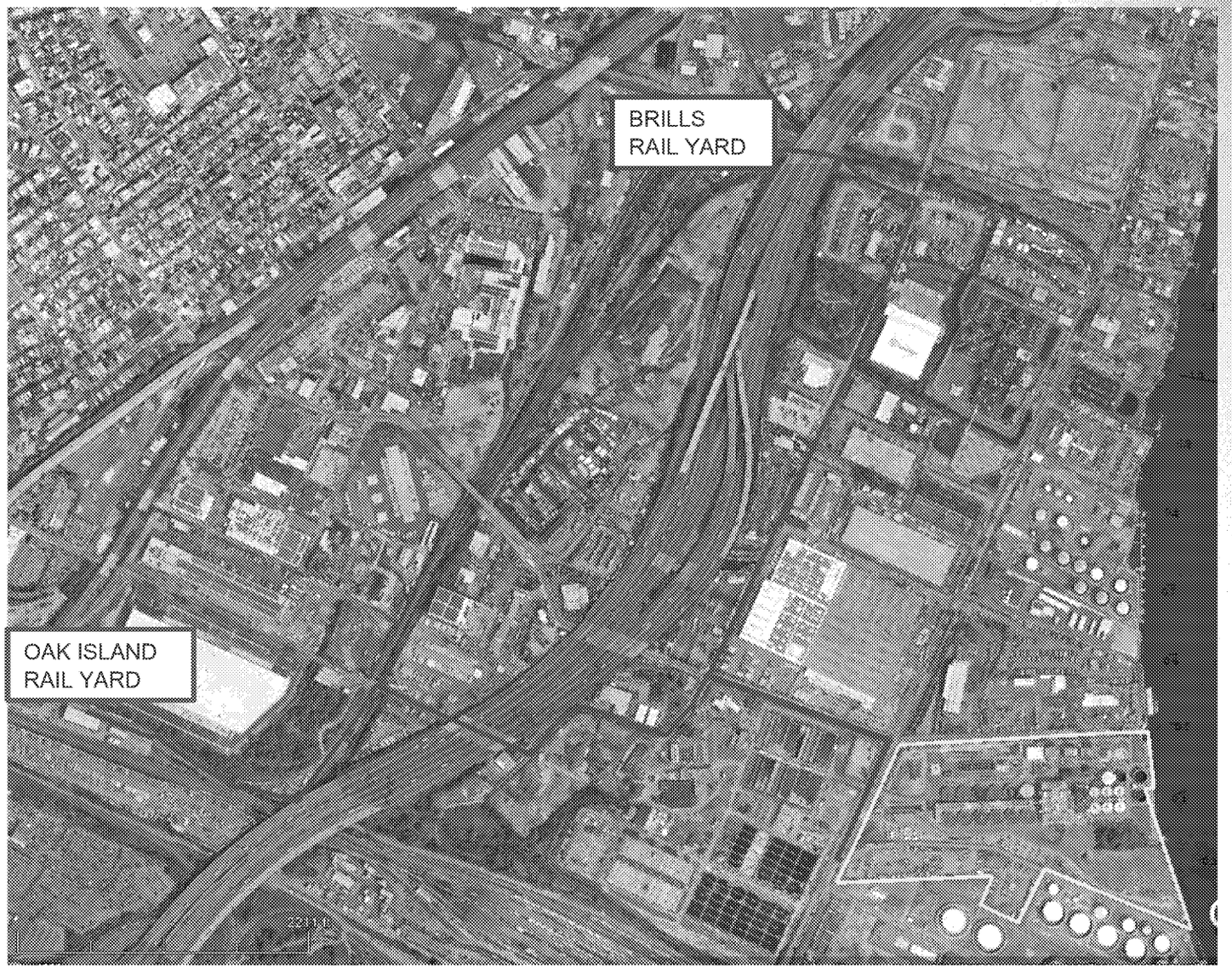
PROJECT SAFETY MANAGEMENT

The **Community Health & Safety Plan** provides safety measures to **protect the public from hazards** from waterborne and roadway construction traffic, on-water operations, and upland operations

- Fencing to limit inadvertent trespass into work areas
- Buoys, signs, and lights to warn boaters away from on-water operations
- Traffic control, including truck route selection to minimize potential for incidents and risk to public
- Other measures including emergency preparedness

TRUCK ROUTES - WASTE

- Processed sediment expected to be transported via truck and rail
- No traffic through residential areas
- Additional transportation routes to/from support sites to be determined when specific locations uses are identified



COMMUNITY ENGAGEMENT PROGRAM

- Facilitate public awareness of current and upcoming operations
- Process to log inquiries or complaints and ensure a timely response

Community Engagement Tools:

- Public Information and Resources
  - Routine updates to CAG
  - Other community meetings
  - New project website
  - Mailing list
  - Informational signage
  - Local notices to mariners
- Community Inquiry Process

COMMUNITY INQUIRY PROCESS

Listen

- Community can inquire via hotline or project website
- Both hotline and website will prompt for key information
- Emergencies directed to 911

Evaluate

- Determine urgency and if additional investigation is needed
- Reply to inquiry within 24 hours

Investigate

- Determine operations active at time of inquiry
- Determine if impact is project-related
- Determine cause and response

Respond

- Respond within 3 days with summary of steps taken
- Implement corrective action if issue is project-related

COMMUNITY INFORMATION WEBSITE

- Maintained during construction and will include:
  - Maps with current in-river work zones and planned activities schedule
  - Weekly construction progress updates
  - Air quality monitoring results
  - Inquiry submittal portal
  - Maps of transportation routes from processing facility and support sites
  - Digital library for project-related documents

http://passaicremovalaction.com/