

INFRASTRUCTURE SUPPORT SERVICES

Contract DE-EM0004062

Mowing Plan for Infrastructure Support Services Contract at the Portsmouth Gaseous Diffusion Plant

PMA-PORTS-17-6128/R3

August 2019



PORTSMOUTH
MISSION ALLIANCE

Portsmouth Mission Alliance, LLC
managing the
Infrastructure Support Services at the
Portsmouth Gaseous Diffusion Plant
under contract DE-EM0004026 for the
U.S. DEPARTMENT OF ENERGY

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Prepared for the
U.S. Department of Energy
Office of Environmental Management

by
Portsmouth Mission Alliance, LLC
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REVISION LOG

Revision No.	Effective Date	Sections Affected	Description
0	3/30/2017	All	Initial Release
1	3/29/2018	2.1.9 4.1.10 Attachment A	Radiological Areas, added to plan. Added area to plan. Updated map.
2	3/28/2019	1 2.1.7 4.1.1 4.1.2 4.1.3 4.1.4 4.1.5 4.1.8 4.1.10 4.1.12 Attachment A Attachment B	Site acreage changed. Areas added. Added area from 4.1.2. Removed SODI owned area. Added railroads. Added railroads. Title changed and added railroads. Removed SODI owned area and added area. Title changed. Changed railroad frequencies. Updated map. Updated map.
3	08/13/2019	8	Additional details incorporated into Resource Management.

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ACRONYMS

AHA	Activity Hazard Analysis
CAPS	Mowing Remedial Action Area
CBA	Collective Bargaining Agreement
CMMS	Computerized Maintenance Management System (SOMAX)
D&D	Decontaminating and Decommissioning
DOE	U. S. Department of Energy
IEZ	Integrated Environmental Zoning
ISS	Infrastructure Support Services
LA	Limited Area
NHPA	National Historic Preservation Act
OEM	Original Equipment Manufacturer
PM	Preventive Maintenance
PMA	Portsmouth Mission Alliance, LLC
PORTS	Portsmouth Gaseous Diffusion Plant
QASP	Quality Assurance Surveillance Plan
SWMU	Solid Waste Management Unit
USW	United Steelworkers
WO	Work Order

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1 INTRODUCTION

Portsmouth Mission Alliance, LLC (PMA) will provide grounds maintenance in assigned areas as specified in the Portsmouth Infrastructure Support Services (ISS) contract DE-EM0004062.

The U.S. Department of Energy (DOE) owns and manages approximately 3,700 acres at the Portsmouth Gaseous Diffusion Plant (PORTS) site. The Government has restricted access to 749 acres within the fenced limited area (LA) and additional buffer zone surrounding the LA. Specified areas will be maintained in accordance to ISS contract Section J, Attachment J-8 C.3.5.2, Figure 1, *Mowing Zone Map*, and applicable performance standard for these areas per Section J, Attachment J-8 C.3.5.2, Table 1, *Grounds Performance Level Standard*.

1.1 SCOPE/PURPOSE

PMA will perform grounds maintenance activities including, but not limited to, the following: mowing, debris/litter removal, trimming, fertilizing and liming, reseeding, tree/shrub maintenance, clippings removal, and soil erosion repair. These activities are classified as Level I [Scheduled/Repetitive/Preventive Maintenance (PMs)] service work. Level II (Unscheduled/Non-Repetitive) service work will be performed to correct ground maintenance issues with the Government being notified for approval of any potential exceedance of the limit of liability (120 direct labor hours or \$2,500 direct material) per C.3.4.2.2.2 of the ISS contract, *Level II Maintenance or Service*.

The purpose of these activities is to provide a healthy and safe working environment, and provide a professional, aesthetically pleasing work site for PORTS site personnel.

2 MOWING PROGRAM REQUIREMENTS

2.1 REQUIREMENTS FOR ALL ZONES/AREAS

2.1.1 Environment, Safety, and Health

Ground maintenance activities have associated risks of injury and environmental damage. Examples of injury risks include temperature extremes, unsafe terrain, and equipment-related hazards. Environmental damage may occur from spills or improper use of chemicals (e.g. herbicides). As a function of PMA's Integrated Safety Management System, work scopes are defined and reviewed to identify potential hazards. With input from those performing ground maintenance activities, controls are established to minimize associated risks. These hazards and controls are documented in an Activity Hazard Analysis (AHA) and reviewed with workers. Through employee feedback, additional hazards and controls are included in the AHA as needed. Workers are encouraged to stop work if risks are identified that are not properly controlled.

2.1.2 Improved Areas

Improved areas are intensely maintained and include grounds within the built up areas with lawns, landscaping, frequent access, etc. Grass mowing and trimming shall be accomplished in these areas, around structures, and other permanent objects. Lawns shall be kept free of bare areas, ruts, holes, dead vegetation, debris, and unwanted vegetation that present an unsightly appearance. All holes or depressions shall be filled and compacted to adjacent grade level. The

ISS Contractor shall prevent scalping, uneven mowing, or rutting by the equipment and shall take care not to damage trees and shrubs. These areas include Improved Level 1 (red) and Improved Level 2 (orange) on Attachment A, *PORTS DOE Mowing Map*.

2.1.3 Semi-Improved Areas

Semi-improved grounds require less maintenance and include storage areas, open field area with less use, and access. Mowing in these areas will be maintained to ensure that brush and small trees do not take permanent root and the area remains open and clear of trees and brush. Trimming will be needed in limited areas to accommodate personnel access, prevent woody/vine growth on equipment, fences, and/or structures, and maintain drainage flow. These areas have historically been referred to as bush hog areas, and semi-improved areas will be maintained by mowing/bush hogging at least twice annually. These semi-improved areas are indicated as light green/white hatched on Attachment A, *PORTS DOE Mowing Map*.

2.1.4 Monitoring Station Access

The PORTS Site has 800 groundwater monitoring wells that are sampled on a routine basis. PMA shall provide an access route and mow a 10-foot radius circle with a vegetation height not to exceed six inches around the groundwater wells based on the Decontamination and Decommissioning (D&D) contractor's sampling schedules. Approximately 25% of the groundwater monitoring wells require mowing for an access route and cleared circle around these wells. The D&D contractor provides sampling schedules so that the wells can be examined to determine what mowing is necessary to ensure safe access is maintained. The use of herbicide is prohibited for this activity; therefore, these areas must be mowed or cut. The Contractor will coordinate with the D&D contractor on mowing around applicable wells. There are 15 ambient air monitoring stations at various locations surrounding the DOE site at PORTS. Access to the monitors is necessary to maintain these monitors on a regular basis. The Contractor shall maintain a mowed, debris free, pathway that is no less than three feet wide and with a vegetation height not to exceed six inches leading to the monitors to ensure safe walking access. Air monitoring and well locations are provided in the ISS contract, Section J, Attachment J-8.C.3.5.2, Figure 2, *Air and Well Monitoring Locations Map*.

2.1.5 Other Areas

Other Areas include railroads, fencing, roadways, ditches, holding ponds, and easements. PMA shall perform grass and vegetation control along sections of railroads, security fences, roadways on both sides of the fence/roadway, and ditches including trimming around fences, guardrails, signs, and other structures. PMA shall maintain the outer boundary fence (X-208A) and provide brush control on both sides of the fence. The fence will be maintained clear of trees, brush, and other vegetation to the degree that the fence is not damaged. A cleared access route along the fence will be maintained at a width of 5 feet for its entire length. PMA shall remove obstructions and control vegetation in above ground storm drainage systems to permit unrestricted flow of storm water runoff. PMA shall control the height of vegetation to less than 30 inches in ditches where water regularly accumulates and it is impractical to enter with mowers on a regular basis, even during dry weather. The Contractor shall maintain facility railroads free of vegetation to allow for safe and compliant rail operations. Vegetation 25 feet on either side of roadways through otherwise unmaintained areas will be mowed/trimmed and will be maintained at a height of no more than 18 inches. Additional clearance beyond 25 feet may be needed at intersections, turns, or other such areas with reduced traffic visibility. These Other Areas are indicated as blue on

Attachment A, *PORTS DOE Mowing Map*. The active and inactive railroads are indicated on Attachment B, *Portsmouth Mission Alliance Railroad Map*.

2.1.6 Unimproved Areas

Unimproved grounds include wooded or otherwise undeveloped areas that are not mowed. Unimproved areas may be transected by maintained (semi-improved) areas such as roads, fences, ditches, or easements. PMA shall contact DOE National Historic Preservation Act (NHPA) Lead and/or D&D Contractor NHPA Lead prior to mowing in sensitive archaeological areas.

2.1.7 Regulated Engineered Facilities (Remedial Areas or Caps)

A number of Solid Waste Management Units (SWMU) are present at PORTS. Some of these SWMUs have Caps (Mowing Remedial Action Areas) that require maintenance and mowing, such as: South Slurry Wall, X-231A, X-231B, X-616, X-701E, X-734, X-734A, X-734B, X-735, X-736, X-749, X-749A, and X749B Landfills. Care must be taken not to damage the Caps by scalping of the vegetative cover, rutting, fertilizer burn, or other means. Mowing, maintenance, and repair requirements for these Caps are delineated in the *Integrated Surveillance and Maintenance Plan (DOE/PPPO/03-0084&D3) for the Portsmouth Gaseous Diffusion Plant, Piketon, Ohio*. PMA shall be responsible for the mowing, repair, fertilization, monument maintenance, and pest control of these Caps in strict compliance with the plan. In performing activities in these areas, PMA shall consult and coordinate with the D&D contractor to prevent any potential damage during maintenance and mowing. PMA shall prevent scalping, uneven mowing, or rutting by the equipment and shall take care not to damage engineered Caps. These Remedial Areas are indicated as magenta on Attachment A, *PORTS DOE Mowing Map*.

2.1.8 Stone/Gravel Areas

PMA shall maintain designated areas predominantly free of vegetation through trimming, mowing, and/or herbicide. Gravel surface should be visible and un-impacted for use, maintenance, and inspection by vegetation growth. Any vegetation in excess of 12 inches shall be treated or trimmed. These areas are indicated as white with black dots on Attachment A, *PORTS DOE Mowing Map*.

2.1.9 Radiological Areas

Regardless of mowing map zone (Improved Level 1, Improved Level 2, etc.) the radiological area is within, radiological area vegetation will be addressed twice a year. PMA will coordinate vegetation removal activities with the D&D contractor. PMA may utilize various methods to address vegetation so that the employees/equipment have minimum exposure to the radiological area.

2.1.10 Special Events

Special event services can be in any maintained area described above and include single event requests to accommodate, for example, events, visitors, and inspections. Requests may include mowing otherwise unmaintained areas or increasing service levels in a particular area. PMA will schedule and execute work per DOE's request.

3 PRE-SEASON PLANNING

3.1 MATERIALS AND EQUIPMENT

PMA will use the following equipment and materials in order to execute the activities listed here in compliance with the minimum acceptable quality levels/quality assurance surveillance plan (QASP) requirements:

- Tractors with batwing type bush hogs
- Commercial slope mowers
- Commercial finish mowers
- Forestry cutter equipment
- Powered weed eaters
- Sprayers
- Miscellaneous hand tools such as shovels, rakes, brooms, etc.
- Government-approved environmentally friendly herbicides and fertilizers.

3.2 VEHICLE AND EQUIPMENT PREPARATION

PMA performs PMs on all grounds maintenance equipment in accordance with Original Equipment Manufacturer (OEM) recommendations and PMA procedures. Equipment maintenance is tracked and documented using the Computerized Maintenance Management System [CMMS (SOMAX)] program.

3.3 ANNUAL MOWING KICK-OFF MEETING

PMA will coordinate an annual meeting with employees and DOE personnel involved in grounds maintenance mowing season. The purpose of this meeting will be to communicate the importance of safety, mowing zone requirements, schedule, solicit input from the workers, discuss additional needs and/or changes in priorities, review lessons learned from the previous mowing season, and to coordinate and schedule mowing activities in order to keep potential operational impacts to a minimum.

4 SCHEDULED MAINTENANCE MOWING

4.1 LEVEL I SCHEDULED/REPETITIVE TASK MOWING

PMA will utilize General work orders (WOs) per specified areas on the ISS contract Section J-8.C.3.5.2, Figure 1, *DOE Mowing Map*. Each General WO will state a clear scope, have a proper hazard analysis with hazard controls, and specify the Performance Level Standard per J-8.C.3.5.2, Table 1, *Grounds Performance Level Standard*. These General WO's will remain open for one season. One-page repetitive tasks shall be used to schedule and track all mowing activities encompassed within a specific General mowing WO. Each mowing repetitive task shall have a specific work scope, point to the proper General WO for briefings and hazard controls, and have a set frequency to meet the specific Performance Level Standard. Frequencies may be adjusted based upon growing conditions. Each one-page mowing repetitive task shall attain the direct labor hours and direct material (if any) upon being closed-out after each mowing activity.

The General WOs with their specific one-page repetitive task set-up in SOMAX are detailed below.

4.1.1 General WO: Improved Level 1 (6 Inch Height or Less)

Associated one-page repetitive task:

- Mow X-1000 and Field Area (Frequency 10 days)
- Mow XT-801 Area (Frequency 10 days)

4.1.2 General WO: Outside Fence Improved Level 2 (10 Inch Height or Less)

Associated one-page repetitive task:

- Mow X-230J5 Area (Frequency 17 days)
- Mow X-230J6 Area (Frequency 17 days)
- Mow X-618 Area (Frequency 17 days)
- Mow X-745 C, E, G Outside Cylinder Lot Area (Frequency 17 days)
- Mow X-611 Water Treatment Plant Area (Frequency 17 days)
- Mow X-611B Area – top of Dam only (Frequency 17 days)
- Mow X-624/X-230J7 Area (Frequency 17 days)
- Mow X-735A Area (Frequency 17 days)
- Mow Running Track Area (Frequency 17 days)
- Mow X-230J2 Area (Frequency 17 days)
- Mow X-615 Area (Frequency 17 days)
- Mow X-108E (Frequency 17 days)
- Mow X-6619 Area (Frequency 17 days)
- Mow X-622, X-751, X-1107BP, X-744K Areas (Frequency 17 days)
- Mow X-2207A, X-1000 Parking Lot Medians (Frequency 17 days)
- Mow X-752 Scrap Yard Area, including triangle near staging (Frequency 17 days)

4.1.3 General WO: Inside Fence Improved Level 2 – QUAD 1 (10 Inch Height or Less)

Associated one-page repetitive task:

- Mow QUAD 1 Area – includes ditches, railroads, and security fence (Frequency 21 days)

4.1.4 General WO: Inside Fence Improved Level 2 – QUAD 2 (10 Inch Height or Less)

Associated one-page repetitive task:

- Mow QUAD 2 Area – includes ditches, railroads, and security fence (Frequency 21 days)

4.1.5 General WO: Inside Fence Improved Level 2 – QUAD 3 (10 Inch Height or Less)

Associated one-page repetitive task:

- Mow QUAD 3 Area – includes ditches, railroads, and security fence (Frequency 21 days)
- Mow X-1020 Area (Frequency 21 days)
- Mow X-3000 Area (Frequency 21 days)

- Mow X-112 Area (Frequency 21 days)

4.1.6 General WO: Inside Fence Improved Level 2 – X-744G IEZ (10 Inch Height or Less)

Associated one-page repetitive task:

- Mow X-744G Integrated Environmental Zoning (IEZ) Area (Frequency 21 days)

4.1.7 General WO: Inside Fence Improved Level 2 – X-345 IEZ (10 Inch Height or Less)

Associated one-page repetitive task:

- Mow X-345 IEZ Area – including railroad area (Frequency 21 days)

4.1.8 General WO: Outside Fence Semi-Improved – Bush Hog (Twice per Year)

Associated one-page repetitive task:

- Bush Hog X-530 Outside Area (Frequency 90 days)
- Bush Hog X-611B Dam and Bottom (Frequency 90 days)
- Bush Hog X-611B.2 Sludge Line (Frequency 90 days)
- Bush Hog X-622 Area (Frequency 90 days)
- Bush Hog X-734 Area (Frequency 90 days)
- Bush Hog X-744S Area (Frequency 90 days)
- Bush Hog X-735A Area (Frequency 90 days)
- Bush Hog X-2230N Area (Frequency 90 days)
- Bush Hog PAR 1 Area (Frequency 90 days)
- Bush Hog PAR 2 Area (Frequency 90 days)
- Bush Hog PAR 3 Area (Frequency 90 days)
- Bush Hog PAR 4 Area (Frequency 90 days)
- Bush Hog PEA Area (Frequency 90 days)
- Bush Hog PRIE Area (Frequency 90 days)
- Bush Hog PRIW Area (Frequency 90 days)
- Bush Hog PRIS Area (Frequency 90 days)
- Bush Hog PROE Area (Frequency 90 days)
- Bush Hog PRON Area (Frequency 90 days)
- Bush Hog PROS Area (Frequency 90 days)
- Bush Hog PROW Area (Frequency 90 days)
- Bush Hog PRINE Area (Frequency 90 days)
- Bush Hog Outside Running Track Area (Frequency 90 days)
- Bush Hog Truck Area (Frequency 90 days)
- Bush Hog Mt. Gilead Cemetery Area (Frequency 90 days)
- Bush Hog Holt Cemetery Area (Frequency 90 days)
- Bush Hog west of Depleted Uranium Hexafluoride Facility Trailers to Remedial Area (Frequency 90 days)
- Bush Hog X-106C New Fire Training Building Area (Frequency 90 days)
- Bush Hog X-120 South Tower Area (Frequency 90 days)

4.1.9 General WO: Inside Fence Semi-Improved – Bush Hog (Twice per Year)

Associated one-page repetitive task:

- Bush Hog X-533 Area – QUAD 2 (Frequency 90 days)
- Bush Hog X-633 Area – QUAD 2 (Frequency 90 days)
- Bush Hog X-740 Area – QUAD 3 (Frequency 90 days)
- Bush Hog X-7721 Area – QUAD 3 (Frequency 90 days)

4.1.10 General WO: Regulated Engineered Facilities (Remedial Areas or Caps) per Integrated Surveillance and Maintenance Plan/D&D Contractor

Associated one-page repetitive task:

- Mow X-734 Old Sanitary Landfill Area (Frequency 30 days)
- Mow X-734A (North) Construction Spoils Disposal Area (Frequency 30 days)
- Mow X-734B (South) Construction Spoils Disposal Area (Frequency 30 days)
- Mow X-735 Sanitary Landfill Area (Frequency 30 days)
- Mow X-736 Sanitary Landfill Area (Frequency 30 days)
- Mow X-616 Former Lagoon Field Area (Frequency 30 days)
- Mow X-701E Neutralization Building Cap Area (Frequency 30 days)
- Mow X-231A Southeast Biodegradation Cap Area (Frequency 30 days)
- Mow X-231B Southwest Biodegradation Cap Area (Frequency 30 days)
- Mow X-749 South Contaminated Material Storage Yard Cap Area (Frequency 30 days)
- Mow X-749A South Classified Burial Yard Cap Area (Frequency 30 days)
- Mow X-749B Peter Kiewit Landfill Cap Area (Frequency 30 days)
- Mow South Slurry Wall Area (Frequency 30 days)

4.1.11 General WO: Other Areas (18 Inch Height or Less)

Associated one-page repetitive task:

- Mow X-744N/X-744P/X-744Q West Warehouses (Frequency 30 days)
- Mow North Perimeter, North, East and West Access Roads (Frequency 30 days)
- Mow three Emergency Sirens (Frequency 30 days)
- Mow South Perimeter, South, and Southwest Access Roads (Frequency 30 days)
- Mow X-608 Wells Field and Ride-a-ways (Frequency 30 days)
- Mow X-6609 Wells Field and Ride-a-ways (Frequency 30 days)
- Mow X-611A Prairie Berms and Roadways (Frequency 30 days)
- Mow X-1107 F/V along Centrus Controlled Access Area Fence (Frequency 30 days)
- Mow X-625 Pilot Scale Treatment Facility (Frequency 30 days)
- Mow Fog Road (Frequency 30 days)

4.1.12 General WO: Other Areas – Herbicide (18 Inch Height or Less)

Associated one-page repetitive task:

- Cut/Herbicide Active Railroad outside LA (Frequency 45 days)
- Cut/Herbicide Out-of-Service Railroad outside LA (Frequency semi-annually)

- Cut/Herbicide X-208A Boundary Fence (Frequency 60 days)
- Cut/Herbicide X-1000 East and West Flower Beds (Frequency 120 days)
- Cut/Herbicide Junction of Perimeter Rd. and Hewes St. Rip Rap (Frequency 120 days)
- Cut/Herbicide X-230J5 West Holding Pond Rip Rap (Frequency 120 days)
- Cut/Herbicide X-230J6 Northeast Holding Pond Rip Rap (Frequency 120 days)
- Cut/Herbicide X-611B Sludge Lagoon Rip Rap (Frequency 120 days)
- Cut/Herbicide X-618 North Holding Pond Rip Rap (Frequency 120 days)
- Cut/Herbicide X-734 Old Sanitary Landfill CAP Rip Rap (Frequency 120 days)
- Cut/Herbicide X-735 Sanitary Landfill CAP Rip Rap (Frequency 120 days)
- Cut/Herbicide X-749 South Contaminated Material Yard Storage CAP Rip Rap (Frequency 120 days)

4.1.13 General WO: Groundwater Monitoring Wells (3 Foot Wide Access Path And 6 Inch Height or Less)

Associated one-page repetitive task:

- Mow Ground Water Monitoring Wells/Sampling Locations (Frequency based on Environmental Management Sampling Schedule - Frequency 21 days for SOMAX)

4.1.14 General WO: Ambient Air Monitoring Stations (3 Foot Wide Access Path and 6 Inch Height or Less)

Associated one-page repetitive task:

- Mow all Ambient Air Monitoring Stations (Frequency based on Environmental Management Sampling Schedule - Frequency 21 days for SOMAX)

4.1.15 General WO: Stone/Gravel Areas – Herbicide (12 Inch Height or Less)

Associated one-page repetitive task:

- Cut/Herbicide X-326 Process Building Area (Frequency 120 days)
- Cut/Herbicide X-330 Process Building Area (Frequency 120 days)
- Cut/Herbicide X-333 Process Building Area (Frequency 120 days)
- Cut/Herbicide X-530 Switch Yard Area (Frequency 120 days)
- Cut/Herbicide X-533 Old Transformer Storage Pad Area (Frequency 120 days)
- Cut/Herbicide X-640-2 Water Tower Lay-down Area (Frequency 120 days)
- Cut/Herbicide X-622 Natural Gas Area (Frequency 120 days)
- Cut/Herbicide X-750 Out-of-Service Vehicles Area (Frequency 120 days)

4.1.16 General WO: Annual Control (Annually)

Associated one-page repetitive task:

- Mow/Cut Boundary Area Southwest of X-530 (Frequency 365 days)

5 DAMAGE TO SITE/FACILITY ASSETS

PMA shall notify and provide a condition report to the Government of any existing damages to facility assets prior to the commencing work. Damage caused by PMA to site assets (i.e., utility poles, signposts, power outlets, telephone pedestals, fire hydrants, grounding system wires, wire molding and ground rods, and guy wires) shall be reported within one working day of the incident.

6 PERFORMANCE STANDARDS

Grounds Maintenance performance standards, minimum acceptable quality levels, and surveillance methods are described in the QASP and in the ISS contract, Section J-8 C.3.5.2 Table 1, *Grounds Performance Level Standards*.

7 MOWING SCHEDULE

7.1 FACTORS FOR SCHEDULE DEVELOPMENT

PMA will implement and adhere to a mowing schedule based upon the Portsmouth ISS contract DE-EM0004062. This schedule will be built based on past PMA mowing efficiencies, Lessons Learned, and worker feedback. This schedule will utilize repetitive task/PM set frequencies in SOMAX. The set frequencies shall be reviewed and revised based upon learned understanding to meet the QASP. This schedule shall be based on a flexible format that is subject to change due to impacts from inclement weather and growth conditions.

8 RESOURCE MANAGEMENT

PMA will utilize Collective Bargaining Agreement [(CBA), United Steelworkers (USW)] workers to perform all grounds maintenance activities. USW Laborers will be utilized to perform the following activities:

- Operation of tractor and mowing attachments
- Operation of commercial mowing equipment
- The U.S. Department of Agriculture herbicide applicators, will have trained service persons, as the only personnel authorized to apply herbicides at the PORTS site
- Weed eating and trimming activities

If inclement weather conditions (i.e., above average rainfall) or lack of available resources should impact scheduled mowing activities, PMA will utilize any means available to minimize the schedule impact. Such as:

- Incorporate additional overtime and/or shifts as necessary
- Reassignment of other CBA workers to enhance the assigned grounds maintenance crew population

In addition, PMA will pursue the following options to further supplement available resources to meet surges:

- Assign summer interns to grounds maintenance (requires USW negotiation)
- Establish an USW on-demand labor pool from the local union hall to support ground maintenance (requires USW negotiation)
- Utilize volunteer salary personnel for grounds maintenance back-up
- Establish an on-demand grounds maintenance back-up subcontract (requires USW notification with written justification)
- Hire additional grounds maintenance personnel and lay-off when no longer needed

PMA will discuss with DOE prior to implementing these last options due to the monetary severance for annual layoffs and potential grievances of a subcontract straining union relationship.

9 WORK CONTROL

General work packages will be developed for all Level 1 grounds maintenance activities. One-page repetitive tasks will be utilized to track specific activities, direct hours, and direct material (if any). Although the one-page repetitive tasks will be Level I WOs, they will also have a work code of "MOW" to distinguish them from other equipment and regulatory PMs.

Level II Grounds Maintenance (pruning in additional mowing zones, special events, etc.) activities will be addressed through the implementation of Level II Service WOs.

10 POST MOWING ACTIVITIES

10.1 CLEANING, EVALUATIONS, AND REPAIR OF EQUIPMENT

PMA will perform pre-operational checks on all grounds maintenance equipment assigned for use on a daily basis, in accordance with PMA procedures. PMs will be based on frequencies obtained on each piece of equipment as recommended by the OEMs. All PMs, repairs, and corrective maintenance activities will be performed and documented in the CMMS (SOMAX).

11 SELF-ASSESSMENT FOR COMPLIANCE WITH QUALITY ASSURANCE SURVEILLANCE PLAN

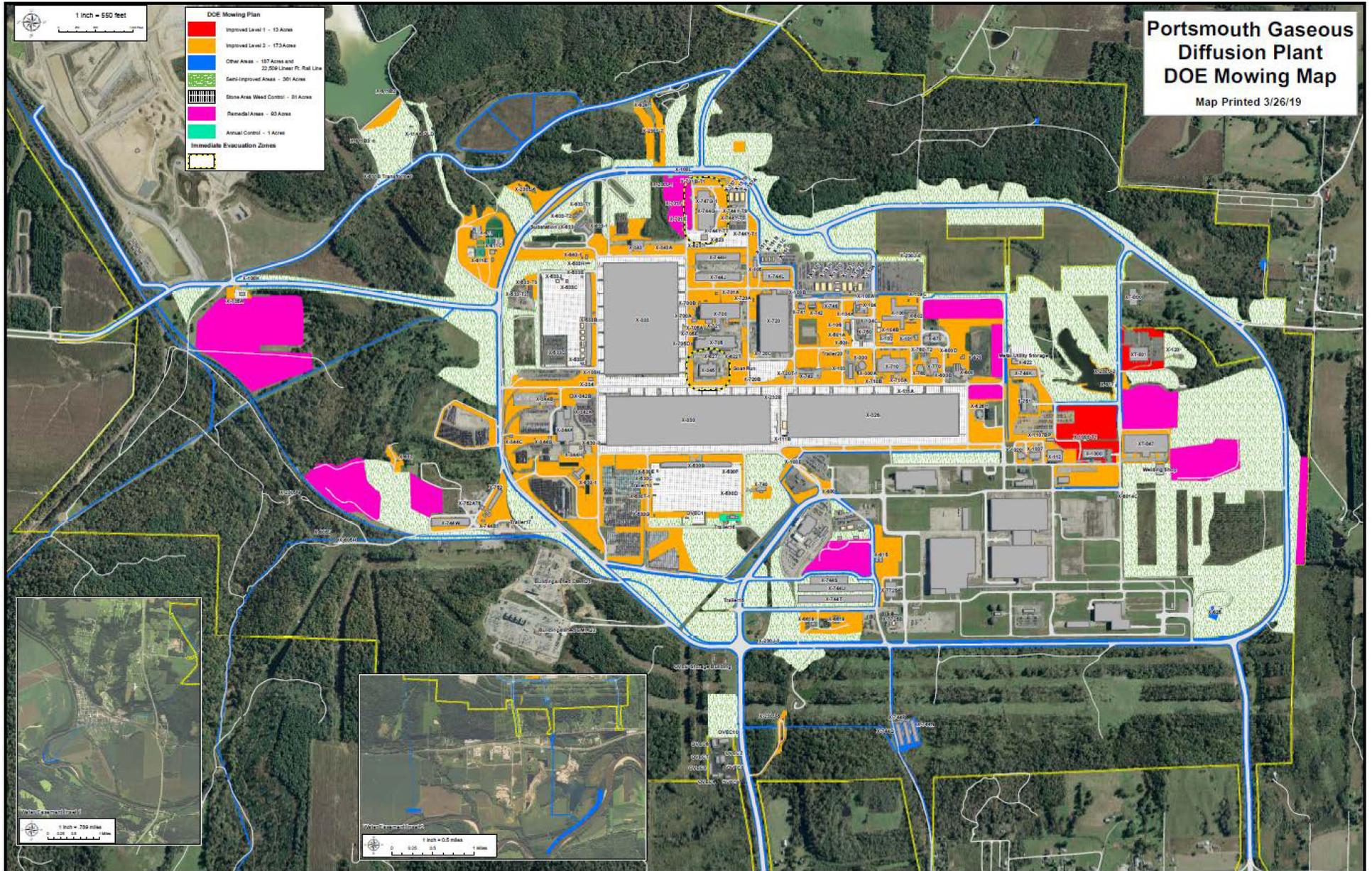
Facility Support Services personnel in conjunction with Quality Assurance personnel will perform walk-downs to ensure performance standards are in compliance with the QASP and that all performance standards are being met.

12 CONCLUSION

PMA will implement and utilize the information contained in the PMA Mowing Plan to ensure that all grounds maintenance activities will be performed in accordance with the performance work statements in DE-EM0004062, Portsmouth ISS Contract.

ATTACHMENT A

PORTSMOUTH GASEOUS DIFFUSION PLANT DOE MOWING MAP



ATTACHMENT B
PORTSMOUTH MISSION ALLIANCE RAILROAD MAP

Portsmouth Gaseous Diffusion Plant

Portsmouth Mission Alliance Railroad Map

