

Comment Resolution Form

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P = Paragraph
L = Line

Contract Number: N62470-18-D-7012/Task Order: N4008521F5037 Draft Remedial Action Work Plan Operable Unit 2 – RE108 Hotspot, Naval Weapons Industrial Reserve Plant, Bethpage, New York Commenters: Jason Pelton, Project Manager, NYSDEC Division of Environmental Remediation					
<u>Comment Number</u>	<u>Page #</u>	<u>Section, Paragraph Line, Figure or Table</u>	<u>Sentence</u>	<u>Comment</u>	<u>Response</u>
1	ES-1	Executive Summary P3; L7	Involvement from Nassau County, New York State Department of Transportation (NYSDOT), Town of Oyster Bay, and Town of Hempstead will be required to allow the Navy to acquire property access and easement.	Highlighted “and” Should this be ...property access "through" easements	The following sentence has been revised to state: “Involvement from Nassau County, New York State Department of Transportation (NYSDOT), Town of Oyster Bay, and Town of Hempstead will be required to allow the Navy to acquire property access through easement.”
2	2-1	Section 2.2 P1; L1	The OU2 ROD identifies actions that the Navy can take to address VOC-impacted groundwater that is located downgradient of the former NWIRP Bethpage, including the extraction, treatment, and discharge of groundwater that contains over 1,000- micrograms per liter (µg/L) of VOCs (Navy, 2003).	Highlighted “can” "is required" rather than "can" since a ROD is a legal document outlining the selected remedy	The following sentence has been revised to state: “The OU2 ROD identifies actions that the Navy will take to take to address VOC-impacted groundwater that is located downgradient of the former NWIRP Bethpage, including the extraction, treatment, and discharge of groundwater that contains over 1,000- micrograms per liter (µg/L) of VOCs (Navy, 2003).”
3	2-1	Section 2.2 P2; L1	The OU2 ROD is being supplemented by an Explanation of Significant Differences (in progress) that identifies...	Highlighted “(in progress)” This should be replaced by finalized in September 2021	The following sentence has been revised to state: “The OU2 ROD is being supplemented by an Explanation of Significant Differences (finalized September 2021) that identifies...”
4	2-1	Section 2.2 P2; L3	...that identifies additional OU2 groundwater areas with lower concentrations of VOCs that can also be addressed by groundwater extraction, treatment, and discharge.	Highlighted “can” will	The following sentence has been revised to state: “...that identifies additional OU2 groundwater areas with lower concentrations of VOCs that will also be addressed by groundwater extraction, treatment, and discharge.”
5	2-3	Figure 2-1	N/A	Highlighted “text box on map” Please re-word this text box. The language makes it appear as though the ONCT is "Former" The ONCT continues to operate.	The Figure 2-1 text box has been revised to state: “NORTHROP GRUMMAN ONCT”

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6	2-3	Figure 2-1	N/A	Please use a higher quality figure - the legend cannot even be read.	Figure 2-1 has been replaced with a higher quality figure for legibility.
7	2-3	Figure 2-1 Footer	N/A	Highlighted “18D7012”	No comment was provided for the highlighted therefore the footer on Figure 2-1 will remain unchanged.
8	5-3	Table 5-1 Second to Last Box	N/A	Highlighted “State Pollutant Discharge”, “Elimination System – General, permit for Stormwater Discharge from construction Activity” and “NYSDEC - Division of Water” For the discharge of the treated water, a SPDES Equivalence will be required	A text box has been added to the table to include a permit equivalent for the SPDES Requirements for Remediation Discharges to Surface or Groundwaters.
9	5-4	Table 5-2 Type of Access Column Row 5	N/A	Location: Blank boxes on table Should this be Administrative Order <i>Added comment from letter:</i> The Type of Access and the Duration of the Agreement columns need to be completed.	Type of Access for Nassau County (Seaman’s Neck Road, Union Ave, and Stewart) has been listed as “Property Easement” and Type of Access for Town of Hempstead has been listed as “Administrative Order”, The remaining information under Duration of Agreement has been included in the table.
10	5-4	Section 5.2 P1; L1	Prior to mobilization, planning, and pre-construction and mutual understand meeting will be held leading up to the project to establish and review the work schedule and discuss project-related topics and activities.	Highlighted “understand” Understanding	The following sentence has been revised to state: “Prior to mobilization, planning, and pre-construction a mutual understanding meeting will be held leading up to the project to establish and review the work schedule and discuss project-related topics and activities.”
11	5-4	Section 5.2.2 Second Bullet	N/A	Highlighted “NYSDEC” I would suggest inviting the NYSDOH project manager	The NYSDOH project manager has been added to the list of attendees for the Pre-Construction. In addition, the section title has been revised to state: “Pre-Construction Meeting – Navy, NYSDEC, and NYSDOH”

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12	5-6	Section 5.3.1 P1; L6	...incorporated into a Project Photographic Log providing the date, location, and a description of the activities show; a copy of these will be provided with the final project deliverables.	Highlighted "Show;" shown	The following sentence has been revised to state: "...incorporated into a Project Photographic Log providing the date, location, and a description of the activities shown; a copy of these will be provided with the final project deliverables."
13	5-6	Section 5.4 P1; L4	...and utility clearance to support the building construction and installation of conveyance pipelines to the three well pairs (RW5, RW6, and RW7)	Highlighted "RW5, RW6, and RW7" For consistency with rest of RAWP, I'd suggest using the same well IDs: 5A/5B, 6A/6B, 7A/7B	The following sentence has been revised to state: "...and utility clearance to support the building construction and installation of conveyance pipelines to the three well pairs (5A/5B, 6A/6B, 7A/7B)"
14	5-7	Section 5.4.3 P2; L1	AGVIQ will coordinate with the Navy and Public Service Enterprises Group of New York (PSEG) utility company to shutoff indicated utilities	Highlighted "AGVIQ will coordinate with the Navy and Public Service Enterprises Group of New York (PSEG) utility company to shutoff indicated utilities" Do utilities need to be shut off at the 11 Union Ave parcel? Just wondering what this is in regards to.	In accordance with Section 5.2, Site Civil of the Basis of Design Report (September 2021), the site has existing water, gas, electric, and sanitary sewer service lines that enter the site along Union Avenue. Utilities had been shutoff to the property since the demolition of the previous building took place. However, prior to intrusive activities, AGVIQ will check with the appropriate utility to ensure that the utilities at the property are shutoff.
15	5-7	Section 5.4.3 P2; L4	AGVIQ will establish an account with the New York 811 to register the buried utilities and pipelines installed during the Phase II System construction and will the responsible party during the period of performance.	Highlighted "and will the" be	The following sentence has been revised to state: "AGVIQ will establish an account with the New York 811 to register the buried utilities and pipelines installed during the Phase II System construction and be the responsible party during the period of performance."

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16	5-8	Section 5.6 P2	The source(s) of the materials and samples of the materials will be provided to the Navy for approval and to a qualified geotechnical engineering testing agency to allow for testing of the material, as needed. Geotechnical testing results will also be submitted to the Navy for approval prior to transporting material to the site.	Soil imported to a site for use as backfill must be in conformance with 6 NYCRR 375-6.7(d) and be in general conformance with DER-10, Section 5.4(e).	The following sentence has been added to the end of the referenced paragraph to state: “Imported fill material will also not exceed the contaminant criteria found in 6 NYCRR 375-6.8(a) and will generally follow guidance in DER-10, Section 5.4(e) with the exception of submittals, permits, or approvals requested in the guidance document. Coordination will be made with the Navy for another designated contractor to sample the fill for PFAS prior to import to the site.”
17	6-2	Section 6.1.3	After material samples are approved and prior to beginning masonry work, a mock-up panels for each type and color of masonry required will be constructed.	Highlighted “a” No Comment	The following sentence has been revised to state: “After material samples are approved and prior to beginning masonry work, mock-up panels for each type and color of masonry required will be constructed.”
18	6-3	Section 6.1.6 P1; L1	The concrete pads will be constructed to provide the operating weight of each equipment as specified in the Plan Notes of Drawing Sheet S-102 (Appendix H).	Highlighted “each equipment” piece of equipment?	The following sentence has been revised to state: “The concrete pads will be constructed to provide the operating weight of each piece of equipment as specified in the Plan Notes of Drawing Sheet S-102 (Appendix H).”
19	6-4	Section 6.1.7 P2; L3	In addition, the structural steel tube columns will be placed at the four corners of the air stripper raised rood area from the main slab on grade elevation to the top of the raised roof.	Highlighted “rood” No comment	The following sentence has been revised to state: “In addition, the structural steel tube columns will be placed at the four corners of the air stripper raised roof area from the main slab on grade elevation to the top of the raised roof.”

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20	6-7	Section 6.1.10.1 L1	A two-inch water service line will be installed to a minimum depth of 48-inches to connect the existing water meter at the property line.	<p>Highlighted “A two-inch water service line will be installed to a minimum depth of 48-inches to connect the existing water meter at the property line.”</p> <p>Is it the Water Department's responsibility to install a backflow preventer?</p> <p><i>Added comment from letter:</i> Related to this, has the Navy made arrangements with the local water district to have the water service provided?</p>	The Navy’s contractor will install the associated piping and backflow preventor for the facility. These activities will be coordinated with Bethpage Water District.
21	6-7	Section 6.1.10.3 L5	Two 3-ft by 3-ft catch basins will be installed on either end of the site entrance road, and will be connected to a dry well via 12-inch HDPE storm drain pipe. 4-inch PVC storm drain pipe will be connected to the building sump, including a 4-inch ball valve and valve box for shut off, and discharged to a dry well.	Can a building sump be connected to a drywell? Is there any chance that should an influent pipe fail that untreated water could enter this sump and be transmitted to the drywell?	<p>The text will be corrected as follow:</p> <p>“Four-inch PVC storm drain pipe will be connected to the exterior peroxide unloading pad, including a four-inch ball valve and valve box for shutoff, and discharged to a dry well. None of the building sumps discharge to a dry well.”</p>
22	6-12	Section 6.2.2.1 P2; L1	The stripper tower, manufactured will by Delta Cooling Tower, Inc. or Monroe Environmental. will have a minimum internal diameter of 11-ft and a packed height of 20-ft.	<p>Highlighted “will”</p> <p>No comment</p>	<p>The following sentence has been revised to state:</p> <p>“The stripper tower, manufactured by Delta Cooling Tower, Inc., Monroe Environmental, or Navy-approved equal will have a minimum internal diameter of 11-ft and a packed height of 20-ft.”</p>
23	6-12	Section 6.2.2.1 P2; L2	The stripper tower, manufactured will by Delta Cooling Tower, Inc. or Monroe Environmental. will have a minimum internal diameter of 11-ft and a packed height of 20-ft.	<p>Highlighted “tal.” in “Environmental”</p> <p>No comment</p>	<p>The following sentence has been revised to state:</p> <p>“The stripper tower, manufactured by Delta Cooling Tower, Inc., Monroe Environmental, or Navy-approved equal will have a minimum internal diameter of 11-ft and a packed height of 20-ft.”</p>

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24	6-13	Section 6.2.2.4 L1	An air stripper sump will be installed to provide secondary containment for the air stripper and will be equipped with a two-HP submersible pump (P-201) that will transfer any water that leaks into the sump to the equalization tank.	Highlighted “An air stripper sump” Is this sump different than the 13.5-ft diameter by 6.5-ft deep sump that will be installed to receive air stripped water effluent from the AST?	The air stripper water effluent shall flow by gravity into a 13.5’ diameter x 6.5’ deep air stripper sump. There is only one air stripper containment sump.
25	6-14	Section 6.2.5 P1; L1	A Trojan Model Flex 100, 3 Bank AOP system will be installed in the Phase II System to address 1,4-dioxane contamination.	Similar to other site-related work, will the Trojan representative be present during the installation	A Trojan representative will be present during installation in accordance with Specification Section 46 30 13, Part 3, 3.11 Manufacturer’s Services.
26	6-14	Section 6.2.5 P1; L3	...consists of a single reactor with three chambers (AOP-310, APO-320, and AOP-330) with a maximum flow rate of 2,100-gpm.	Highlighted “APO” in “APO-320” No comment	The following sentence has been revised to state: “...consists of a single reactor with three chambers (AOP-310, AOP-320, and AOP-330) with a maximum flow rate of 2,100-gpm.”
27	6-15	Section 6.2.7.1 L1	A 15,200-gallon clean water tank (T-900) with a 12-ft diameter and 18-ft height will be installed outside of the building to facilitate backwashing of the LGAC vessels.	Is the clean water tank simply used to temporarily store water when an LGAC vessel backwashing is being performed?	The clean water tank will be filled only as needed and just prior to a backwashing event for the LGAC vessels.
28	6-15	Section 6.2.7.1 L7	The clean water and backwash waste holding tanks will be equipped with 12-inch vent pipes to vent outside the building to the atmosphere.	Highlighted “12-inch vent pipes to vent outside the building” Is the Clean Water Tank already located outside of the building so a vent extending outside the building not necessary?	The clean water tank will be located outside of the building and the backwash waste tank will be located inside of the building. The sentence has been revised to state: “The backwash waste holding tank will be equipped with a 12-inch vent pipe to vent outside the building, to the atmosphere.”

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29		Section 6.2.8.4.1 P4; L3	The test section will be gradually pressurized to the test pressure and maintain test pressure for two-hours. If the pressure remains constant for one hour and no leakage is indicated, the test is complete.	Highlighted “two-hours. If the pressure remains constant for one hour” Is the hydrostatic test 1 hour or 2 hours	The hydrostatic test will be performed for at least one hour. The following sentence has been revised to state: “The test section will be gradually pressurized to the test pressure and maintained. The test will be considered acceptable if the pressure does not drop more than 5% of the initial value after at least one hour under pressure.”
30	6-18	Section 6.2.8.4.4 Section Header	N/A	Highlighted “Backflow Preventer Test” Is this backflow preventer for the municipal water service?	A reduced pressure zone backflow preventer will be used on domestic water service entrance. A double check valve backflow preventor is also included in fire suppression piping.
31	6-18	Section 6.2.8.4.5 Section Header	N/A	Highlighted “Tracer Wire Continuity Test” Is this tracer wire testing performed over the entire length of the conveyance piping or just on the water treatment plant property?	Tracer wire testing will be performed over the length of the conveyance piping for continuity after service connections have been completed and prior to final pavement or restoration.
32	6-18	Section 6.3 P2; L1	A qualified third-party Special Inspector designated by AGVIQ and approved the Navy RPM will inspect a particular type of construction requiring special inspections.	Highlighted “approved the” No comment	The following sentence has been revised to state: “A qualified third-party Special Inspector designated by AGVIQ and approved by the Navy RPM will inspect a particular type of construction requiring special inspections.”
33	6-20	Section 6.5 P2; L2	Following construction of the RWs, AGVIQ will construct the extraction pipelines from the RWs to the 11 Union Avenue treatment plant along Seaman’s Neck Road, Wadsworth Avenue, and Patricia Court and all discharge pipelines from this location to the discharge basins as discussed below.	Comment on top of Seamans Neck Road Hicksville Road	The following sentence has been revised to state: “Following construction of the RWs, AGVIQ will construct the extraction pipelines from the RWs to the 11 Union Avenue treatment plant along Seaman’s Neck Road, Hicksville Road, Wadsworth Avenue, Boundary Avenue, and Patricia Court and all discharge pipelines from this location to the discharge basins as discussed below.”

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34	6-21	Section 6.5.2 Section Header	N/A	Highlighted “Extraction and Discharge Pipe Trenching” Has a contractor been selected for the pipe installation?	APTIM will perform installation of the conveyance pipelines.
35	6-24	Section 6.5.4.1 P1; L1	Conveyance piping from the Phase II System to Nassau County Recharge Basin N-477 located on Boundary Avenue will be constructed of approximately 550-LF of 12-inch SDR 11 HDPE pipe.	Highlighted “Conveyance piping from the Phase II System to Nassau County Recharge Basin N-477 located on Boundary Avenue will be constructed of approximately 550-LF of 12-inch SDR 11 HDPE pipe” The use of RCP from treatment plant to recharge basins is not consistent with the details below that discuss use of various lengths of HDPE. Is the discharge line a combination of the two materials?	Effluent pipelines from the treatment plant to the basins consist of a combination of RCP and HDPE pipelines as indicated on the design drawings. The text will be revised as follows: “Conveyance piping from the Phase II System to Nassau County Recharge Basin N-477 located on Boundary Avenue will be constructed of 12-inch SDR 11 HDPE pipe and 18-inch RCP.”
36	6-24	Section 6.5.4.2 L8	The discharge pipeline will follow the same path from the site to Nassau County Recharge Basin N-210.	Same path as what? The Influent lines?	The sentence has been revised to state: “The discharge pipeline will follow the same path as the influent pipeline from the site to Nassau County Recharge Basin N-210.”
37	6-25	Section 6.5.6 P1; L6	The recharge basins will be excavated with an excavator to provide a net zero change in storage volume for storm events, maximize the infiltration rate, and provide a factor of safety.	Highlighted “excavated” Will this excavated material be disposed of off-site?	Excavated soil that does not meet the backfill reuse criteria provided in Technical Specification Section 31 23 00.00 20 – Excavation and Fill will be stockpiled until the material can be classified for beneficial use, recycling, or disposal. This information has been provided in Section 6.7, Transportation and Disposal.

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38	6-27	Section 6.6.1 P1; L2	The asphalt layers will be comprised a compacted subgrade, six-inches of subbase, 2.5 inches of asphalt concrete base mix, and 1.5 inches of asphalt concrete surface mix.	Highlighted “compried a compacted” No comment	The following sentence has been revised to state: “The asphalt layers will be comprised of a compacted subgrade, six-inches of subbase, 3 inches of asphalt concrete base mix, and 1.5 inches of asphalt concrete surface mix.” Please note, based on a comment received by NYSDOT, the base mix has been revised to 3 inches.
39	6-34	Section 6.9.5.3 No. 3; L5	This step will be repeated for the other two RWs.	Highlighted “two” Three	The following sentence has been revised to state: “This step will be repeated for one RW from each of the other two sets of RWs.”
40	6-37	Figure 6.1	N/A	For the final version please provide higher quality figures.	Higher quality figures have been added.
41	7-1	Section 7.1 Table 7-1	N/A	RPM needs to be updated	The RPM listed in Table 7-1 will be revised and updated to provide Scott Sokolowski’s contact information.

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1	1-1	Section 1.0 Introduction		Responses to public comments, including Town comments, on the Draft Explanation of Significant Differences OU2 Record of Decision should be provided.	Responses to comments on the RAWP (including Town of Oyster Bay's comments) will be included as an Appendix to the Final RAWP. Response to comments on the OU2 Explanation of Significant Differences can be found on the Navy's Administrative Record website https://go.usa.gov/DyXF .
2	5-2	Section 1.0 Introduction		Provide the revised Basis of Design Report that addresses the comments provided by the Town on January 15, 2021 and the NYSDEC on January 28, 2021.	The revised Final Basis of Design Report will be included as an Appendix to the RAWP.
3	5-2	Table 5-1: Permit Equivalents		Change 'Road Opening Permit' Agency to Town of Oyster Bay Department of Highways, attention John Bishop, Deputy Commissioner, 150 Miller Place, Syosset, NY 11791.	The text box has been revised to state: "Town of Oyster Bay Department of Highways, attention John Bishop, Deputy Commissioner, 150 Miller Place, Syosset, NY 11791"
4	5-2	Table 5-1: Permit Equivalents		Add: SPDES permit for discharge of treated groundwater to recharge basins from NYSDEC.	SPDES equivalency permit information for discharge of treated groundwater to recharge basins from NYSDEC has been added to Table 5-1, Permit Equivalents
5	5-2	Table 5-1: Permit Equivalents		Add: 'Water Service Connection' to be submitted to Bethpage Water District.	The following text box has been added to state: "Water Service Connection' to be submitted to Bethpage Water District."
6	5-2	Table 5-1: Permit Equivalents		Add: 'Water Service Check Valve' to be submitted to Bethpage Water District and Nassau County Department of Health.	The following text box has been added to Table 5-1, Permit Equivalents to state: "Water Service Check Valve' to be provided to Bethpage Water District and Nassau County Department of Health."

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7	5-2	Table 5-1: Permit Equivalents		Add: "Fire Suppression System' to be submitted to Nassau County Fire Marshall	The following text box has been added to Table 5-1, Permit Equivalents to state: "Fire Suppression System' to be provided to Nassau County Fire Marshall."
8		Section 5.2.3: Pre- Construction Meetings - Property Owners		Meeting notes should be taken and distributed to the participants within a reasonable time afterwards.	The following sentence has been added to Section 5.2, Preparatory Activities and Meetings to state: "Meeting minutes will be recorded and distributed to the participants within a reasonable time following the meetings held during the pre-construction phase."
9		Section 5.2.3: Pre- Construction Meetings - Property Owners		Progress meetings should be added at least quarterly.	Added the following Section to Section 5.2: Quarterly Progress Meetings "Progress meetings will be held quarterly with local officials (Town of Oyster Bay and Town of Hempstead) and representatives from NYSDOH, NYSDOT, and Nassau County Department of Public Works prior to mobilization of equipment and field crew. This meeting, conducted with the Navy, will be held to inform government officials of the completed and planned work and methods of implementation, and to explain to the property owners impacts specific to their property."

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10		Section 5.6: Clean Import Fill Materials		Imported clean fill should be tested for compliance with NYSDEC unrestricted use soil guidelines, contained in 6 NYCCR Part 375, Table 375-6.S(a).	The following sentence has been added to the end of the referenced paragraph to state: “Imported fill material will also not exceed the contaminant criteria found in 6 NYCRR 375-6.8(a) and will generally follow guidance in DER-10, Section 5.4(e) with the exception of submittals, permits, or approvals requested in the guidance document. Coordination will be made with the Navy for another designated contractor to sample the fill for PFAS prior to import to the site.”
11		Section 6.1.11: Electrical		Why is an emergency backup generator not considered for the Plant?	Periodic power outages of several hours to days would not have a significant impact on the effectiveness of the groundwater treatment system. During a power outage, water in the system would settle into various tanks and sumps. Restart of the system would be /conducted by the operator once the power is restored.
12		Section 6.2.7.1: LGAC Backwash System		Determine if freeze protection required for the outdoor backwash water supply tank.	The backwash water supply tank will contain clean water. Its use is expected to be infrequent and can be scheduled days to weeks in advance. This tank will normally be empty when not in use.
13		Drawing CS101: (Site Plan- Groundwater Treatment Plant Site)		Verify with Bethpage Fire District if sufficient access is provided for fire apparatus to maneuver within the site.	The facility is designed to allow moderate-sized vehicles access to the property. Fire department vehicles are very maneuverable.

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14		Drawing CG101 (Grading Plan - Groundwater Treatment Site)		Plan should be modified to include information for stormwater storage areas.	The Navy will provide supplemental stormwater drainage plans (outside of the RAWP) for the facility that will increase stormwater storage and infiltration on the property. A post building demolition review of site drainage found that the existing system was not as robust as had been expected. The revised plans will allow stormwater to be fully managed on the Navy property.
15		Drawing CG101 (Grading Plan - Groundwater Treatment Site)		Drainage calculations should be provided to demonstrate that adequate stormwater storage is provided in accordance with Nassau County DPW requirements (as the site abuts a Nassau County road).	Please see the response to comment 14.
16		Drawing CU101 (Utility Plan-Groundwater Treatment Plant Site)		Plan does not show the separate fire service line.	That is correct. As identified on the drawings, there is one six-inch pipeline from the road to the building.
17		Drawing CU101 (Utility Plan-Groundwater Treatment Plant Site)		Bethpage Water District and/ or Nassau County Fire Marshall may require that the water services and check valves be located outside of the building in a separate heated structure.	The service and check valves are located inside the heated treatment plant building. Bethpage Water District and Nassau County Fire Marshal will be provided access to these check valves upon request.
18		Drawing MI611 (Process and Instrumentation Diagram)		Overflow and drain lines from the Backwash Supply Tank should be directed to the sanitary sewer or on-site drainage system, not grade.	As part of the planned modifications to the site drainage plan, the overflow from this tank will be directed into one of the dry wells.

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1		General	N/A	There is a 5-year moratorium on pavement openings for utility installations after new paving is completed. Pavement shall be repaved for at least 10 feet beyond any pavement disturbances made, or to full lane width, as directed by the State engineer. If multiple pavement openings are made less than 50 feet apart, all area in between the openings shall be repaved to full lane widths. The top course shall have a one foot overcut.	<p>The following sentence has been included in Section 6.6.1, Paving of the RAWP:</p> <p>“Pavement will be repaved for at least 10 feet beyond any pavement disturbances made, or to full lane width, as determined in consultation with the State engineer. If multiple pavement openings are made less than 50 feet apart, all area in between the openings will be repaved to full lane widths. The top course will have a one-foot overcut.”</p> <p>Regarding the reference to a 5-year moratorium, the Navy will comply with this guidance as practicable, but reserves the right to take steps needed to construct and maintain operation of its treatment system.</p>
2		General	N/A	Pavement restoration shall be in kind. Composite pavement restoration shall be taken to the existing longitudinal joint. If any damage occurs to the concrete panel, the contractor will be responsible to replace the whole panel.	<p>The following sentence has been included in Section 6.6.1, Paving of the RAWP:</p> <p>“Pavement restoration will be in kind. Composite pavement restoration will be taken to the existing longitudinal joint. Damaged concrete panels will be replaced.”</p>
3		General	N/A	All concrete panels that are cut or damaged shall be restored for the full width and at least 10 feet of length to ensure the integrity of the concrete foundation. There must be a minimum of 10 feet between the new panel joint and any existing joints. 18-inch-long, 1 inch diameter epoxy coated rebar is required for lateral joints. Concrete panels shall have #6 epoxy coated rebar. Bar spacing and layers shall match existing.	<p>The following sentence has been included in Section 6.6.1, Paving of the RAWP:</p> <p>“All concrete panels that are cut or damaged will be restored for the full width and at least 10 feet of length to ensure the integrity of the concrete foundation and will include 18-inch long, one-inch diameter epoxy-coated #6 rebar for lateral joints. There will be a minimum of 10 feet between the new panel joint and any existing joints. .”</p>

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Draft Remedial Action Work Plan

Operable Unit 2 – RE108 Hotspot, Naval Weapons Industrial Reserve Plant, Bethpage, New York

Commenters: Olumuyiwa Fajolu, PE, NYSDOT Permits Section Manager, Traffic Safety and Mobility

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4		General	N/A	Use PG 64E-22 as the asphalt PG Binder. Add the PG Binder Special Note to the plans.	This note will be added to working construction drawings and documented with the as-builts.
5		NYSDOT Letter	N/A	Sheeting plans are required where excavation is more than 5' deep. They shall be designed and stamped by a Professional Engineer, licensed to practice in New York State.	During pipeline construction, trench boxes will be utilized in excavation greater than 5-ft deep to provide direct support of the trench sidewalls in addition to protecting workers within the trench; therefore, sheeting plans are not required.
6		NYSDOT Letter	N/A	Please include the most recent Standard Sheets on the plans. The Standard Sheet 608-01 referenced on drawing C-505 was updated in August 2021.	This note will be added to working construction drawings and documented with the as-builts.
7		NYSDOT Letter	N/A	The binder course depth shown on the "Heavy Duty Asphalt Pavement" on Drawing C-502 shall be 3 inches.	This note will be added to working construction drawings and documented with the as-builts.
8		NYSDOT Letter	N/A	Accommodate pedestrians along the work zone during construction, with a 5' wide ADA compliant passage. Avoid having them cross travel lanes of traffic. Where this is not possible, provide R9-11 signs in advance of the sidewalk closure at intersections indicating "Sidewalk Closed Ahead" and "Cross Here" in accordance with NYSDOT standard details.	The following sentence has been included in Section 2.2, Site Patrol of the Traffic Management Plan (provided as Appendix C to the RAWP): "To accommodate pedestrians along the work zone during construction, a five-foot wide American Disabilities Act-compliant passage will be provided to help avoid crossing travel lanes of traffic. Where this is not possible, a R9-11 sign will be provided in advance of the sidewalk closure at intersections indicating "Sidewalk Closed Ahead" and "Cross Here" in accordance with NYSDOT standard details."
9		NYSDOT Letter	N/A	The Work Zone Traffic Control (WZTC) plan and Traffic Management Plan shows work hours as 8:00 AM to 5:00 PM. Lanes shall be open to travel on Monday through Friday before 10:00 AM and after 3:00 PM. Lane closures shall not be permitted on weekends or holidays.	Work hours will remain 8:00 AM to 5:00 PM. Lane closures will only take place between 10:00 AM and 3:00 PM. However, periodically the Navy reserves the right to work outside of these designated hours as practicable for safety and scheduling reasons.

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10		NYSDOT Letter	N/A	The Work Zone Traffic Control/Maintenance of Traffic (WZTC) plan indicates that flaggers will be used to restrict Hicksville Road (NY107) to one lane between Chase Lane to approximately 100 feet south of Patricia Court in Phase 1 and in the vicinity of Patricia Court in Phase 2. A full road closure of NY107, south of Union Avenue is proposed in Phase 3. As these restrictions will result in significant delays to vehicles, nighttime construction shall be used.	Comment acknowledged. Work requiring full road closure will take place overnight.
11		NYSDOT Letter	N/A	Submit a Nighttime Operation and Lighting Plan in accordance with NYSDOT Standard Specifications Section 619. Only drums (no cones) shall be used for nighttime and long term WZTC.	A Nighttime Operation and Lighting Plan will be provided to NYSDOT for the full road closure work for informational purposes. The NYSDOT Standard Specifications Section 619 will be used as a guide when developing the plan. We will only use the drums as per your request.
12		NYSDOT Letter	N/A	Provide VMS signs and text thereon for public awareness in advance of the project limits.	Variable Message Signs will be utilized in accordance with the "Variable Message Sign Guidelines" dated December 2018 from the Office of Traffic Safety and Mobility. Variable Message Signs has been included in the bulleted list of traffic management signs to be utilized throughout the project listed in Section 3.1, Signs of the Traffic Management Plan (provided as Appendix C to the RAWP).