



## HAZARDOUS WASTE CLEANUP PROGRAM LONG TERM STEWARDSHIP EVALUATION

### 1. Site Information

|                        |                           |                                  |                 |
|------------------------|---------------------------|----------------------------------|-----------------|
| Facility Name          | Newport News Shipbuilding | EPA ID Number                    | VAD001307495    |
| DEQ Representative(s)  | Tara Mason                | Report Date                      | August 18, 2026 |
| Site Representative(s) | Mark Hiltke – NNS         | Field Visit Date (if Applicable) | April 2, 2026   |

### 2. Long-Term Stewardship Evaluation Background

Long-term stewardship (LTS) refers to the activities necessary to ensure that engineering controls (ECs) are maintained and that institutional controls (ICs) continue to be observed. The purpose of the EPA Region 3 LTS program is to periodically assess the efficacy of the implemented remedies (i.e., ECs and ICs) and to update the community on the status of the Hazardous Waste Cleanup facilities. In October 2024, EPA changed the name of its “Resource Conservation and Recovery Act Corrective Action Program” to the “Hazardous Waste Cleanup Program.” This rebranding is intended to increase broad understanding of the purpose of the program. The LTS assessment is conducted in two-fold, which consists of a record review and a field inspection, to ensure that the remedies are implemented and maintained in accordance with the final decision.

The Hazardous Waste Cleanup Program has identified key elements of effective Long-Term Stewardship for hazardous waste cleanups. The LTS Report took into consideration the following elements while preparing this report:

Element 1 – Legal Authorities

Element 2 – Information Regarding Engineering and Institutional Controls

Element 3 – Long-Term Facility Oversight, Monitoring, and Maintenance

Element 4 – Recordkeeping and Tracking

Element 5 – Meaningful Engagement and Consultation

Element 6 – Funding

Element 7 – Enforcement

Element 8 – Enforceable Mechanisms

Element 9 – Dedicated Resources

### 3. Site Background and Current Status

The site is subject to the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA) of 1976, and the Hazardous and Solid Waste Amendments (HSWA) of 1984, 42 U.S.C. Sections 6901 and 6992k.

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| Current Site Use  | Ship building and repair                                                 |
| Current Ownership | Huntington Ingalls LLC<br>4101 Washington Avenue, Newport News, VA 23607 |



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|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">Historic Use(s)/Background</a> | <p>Since 1888, NNS, a subsidiary of Huntington Ingalls Incorporated, has been constructing and repairing ships, both commercial and military, at this facility located along the James River in the City of Newport News, Virginia.</p> <p>The facility is generally bounded on the north and west by the James River; on the east by Washington, Huntington, and West Avenues and the railroad tracks; and on the south by 31st Street. The shipyard includes seven dry docks and six piers. A variety of activities occur at the shipyard to support shipbuilding and repair, including machine shop work, grit blasting, painting, metal works, hazardous material use and storage, scrap metal storage and recycling, fire protection services, and other shipyard-related services.</p> <p>In July 2001, the facility received a final RCRA Hazardous and Solid Waste Amendments of 1984 Permit, Permit No. VAD001307495 (the Permit) and was renewed on October 24, 2008 to combine the previously separate permits for Post Closure Care at SWMU 12a, managed by the VDEQ, and Facility-Wide Corrective Action for all the other SWMUs at the site, formerly managed by EPA.</p> <p>Investigations occurred from 2003 to 2018 in accordance with an EPA approved RFI Workplan and additional work plans specific to each SWMU as needed.</p> <p>The corrective action remedy decision was implemented through the Facility's Post Closure Care and Corrective Action Permit issued on April 23, 2019. The Permit requires the Facility to continue the post-closure care and groundwater monitoring program for SWMU 12a, continue groundwater monitoring to monitor natural attenuation for hazardous constituents, and maintain certain property mechanisms known as Institutional Controls (ICs) and Engineering Controls (ECs).</p> |
| Contaminants of Concern                    | Vinyl chloride and Naphthalene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <a href="#">Remedy</a>                     | 1) CMI Plan to include groundwater monitoring and MNA at SWMU-12a and 2) implementation of land use controls.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



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|                                                                                           |                                                                                                                                         |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Land Use Control Mechanism                                                                | Hazardous Waste Management Post-Closure Care and Site-Wide Corrective Action Permit dated April 23, 2019 and modified on July 14, 2025. |
| Identify any proposed changes to Site Use, Development or Ownership Identified during LTS | N/A                                                                                                                                     |

### 4. Long Term Stewardship Element Review

**Elements 1, 7, and 8:** Legal Authorities, Enforcement and Mechanisms

| Task                                                                                                                                                                                                           | <u>Yes</u>                          | <u>No</u>                | <u>N/A</u>               | Notes                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------|
| Have applicable federal, state, local authorities been identified at the site? If so, is Coordination with relevant Programs/Authorities Required, to include but limited to DEQ Regional Office coordination? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Permit No. VAD001307495 |
| Has the Enforcement Authority been identified and reviewed as part of the LTS process. Designate in Notes.                                                                                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Permit No. VAD001307495 |
| Is there a mechanism in place to implement the remedy (Permit/Order/UECA-Compliant Covenant)? If so, please designate it in Notes.                                                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Permit No. VAD001307495 |

**Element 2:** Info on Engineering & Institutional Controls

| Task                                                                                                                          | <u>Yes</u>                          | <u>No</u>                           | <u>N/A</u>               | Notes / Next Steps |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------|
| Are Engineering Controls/Institutional Controls (EC/ICs) Required                                                             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                    |
| Have the ICs specified in the remedy been implemented?                                                                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                    |
| Do the ICs provide control for the entire extent of contamination (entire site or a specific portion)?                        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                    |
| Are the ICs eliminating or reducing exposure of all potential receptors to known contamination?                               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                    |
| Are the ICs effective and reliable for the activities (current and future) at the property to which the controls are applied? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                    |
| Is the facility being used for residential purposes?                                                                          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                    |



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| Task                                                                                                                           | <u>Yes</u>                          | <u>No</u>                           | <u>N/A</u>               | Notes / Next Steps                                                            |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------------------------------------------------|
| Does the Geospatial PDF on EPA Webpage accurately reflect controls, and has it been field verified?                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <a href="#">Geospatial PDF</a>                                                |
| Are reporting procedures being met, if required?                                                                               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Annual Groundwater and Corrective Action Monitoring Report – January 26, 2026 |
| Are modifications to the IC implementation mechanism needed as a result of site changes? (i.e. UECA Covenant, Permit or Order) | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                                                               |

### Element 3: Facility Oversight & Monitoring

| Task                                                                                                                                           | <u>Yes</u>                          | <u>No</u>                           | <u>N/A</u>               | Notes / Next Steps                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|--------------------------|------------------------------------------------------------|
| Is there a Site-Specific Monitoring plan (MMP/O&M Plan/Groundwater Monitoring Plan)?                                                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Corrective Measures Implementation Plan, February 9, 2022. |
| Are periodic inspections required and/or conducted?                                                                                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                                                            |
| Are there procedures in place to address control failures?                                                                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                                                            |
| Have the risk of potential pathway exposures addressed under Corrective Action changed based on updated screening levels and new technologies? | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                                            |
| <b><u>Groundwater Review</u></b>                                                                                                               |                                     |                                     |                          |                                                            |
| Is groundwater onsite used for potable purposes?                                                                                               | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                                            |
| Is the Facility connected to a public water supply?                                                                                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                                                            |
| Have any new wells been installed at the facility?                                                                                             | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                                            |
| Are the current groundwater flow rate and direction similar as mentioned in the previous studies?                                              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                                                            |
| Groundwater contaminants stable or decreasing in concentration?                                                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Stable to decreasing trends are observed at SWMU-12a       |
| Are groundwater monitoring wells still in place?                                                                                               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                                                            |



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| Task                                                                                                                             | <u>Yes</u>                          | <u>No</u>                           | <u>N/A</u>               | Notes / Next Steps |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------|
| Any evidence or reason to re-evaluate the number and location of monitoring points and/or monitoring frequency?                  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                    |
| For wells where groundwater monitoring is no longer required, have the wells been decommissioned?                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                    |
| Is there evidence of monitored natural attenuation (and/or progress in made in meeting remedial goals) occurring in groundwater? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                    |

### Element 4: Recordkeeping & Tracking

| Task                                                                                                | <u>Yes</u>                          | <u>No</u>                | <u>N/A</u>               | Notes / Next Steps   |
|-----------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|--------------------------|----------------------|
| Are records maintained and shared with Stakeholders?                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | EPA webpage updated. |
| Are RCRA Info codes and EPA webpage current with required codes and site information and documents. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |

### Element 5: Engagement & Consultation

| Task                                                                                                                                    | <u>Yes</u>                          | <u>No</u>                           | <u>N/A</u>               | Notes / Next Steps                         |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------------------------|
| Have all relevant regulatory and community stakeholders been identified and evaluated if any additional outreach or feedback is needed? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | Public participation during permit renewal |
| Are there plans to develop or transfer the property?                                                                                    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                            |
| Is the EPA Fact Sheet up-to-date and does current site use match existing information?                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> |                                            |



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### Element 6: Funding

| Task                                                                                                               | <u>Yes</u>                          | <u>No</u>                | <u>N/A</u>               | Notes / Next Steps                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Is there a Cost Estimate associated with long-term stewardship and/or financial assurance required and up-to-date? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Cost Estimate for Facility Post-Closure (II.F) Post-closure care and corrective action estimates and financial assurance (over five years) in the form of a surety bond, were found to be in compliance for financial assurance demonstration requirements until February 6, 2027, as reviewed by DEQ on January 30, 2026. |

### Element 9: Dedicated Resources

| Task                               | <u>Yes</u>                          | <u>No</u>                | <u>N/A</u>               | Notes / Next Steps |
|------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------|
| Ensure adequate qualified staff    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                    |
| Conduct ongoing training           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                    |
| Maintain outreach and coordination | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                    |

### Summary of Key Gaps and Next Steps

There were no deficiencies identified during the Long Term Stewardship evaluation. The site will be entered in the EPA RCRAInfo Database as CAS88P1 - LT Stewardship #1 – Pass.



**HAZARDOUS WASTE CLEANUP PROGRAM  
LONG TERM STEWARDSHIP EVALUATION**

**Attachment 1  
Field Observations**

AUGUST 2026



## HAZARDOUS WASTE CLEANUP PROGRAM LONG TERM STEWARDSHIP EVALUATION

### Field Visit

#### Huntington Ingalls Incorporated (HII)

Site visit date: April 2, 2026

Attendees: Chapin Piper – DEQ  
Mark Hiltke – NNS

| <b><u>Institutional Controls (ICs) Review and Assessment</u></b>                                                          | <b><u>Yes</u></b>                   | <b><u>No</u></b>                    | <b><u>N/A</u></b>                   | <b><u>Notes</u></b>                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Are there plans to develop or sell the property?                                                                          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                                                                                                                      |
| If yes, is/was a Material Management Plan required/followed, and are there any controls required for the new development? | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                                                                                                                      |
| <b><u>Groundwater Remedy Review and Assessment Questions:</u></b>                                                         | <b><u>Yes</u></b>                   | <b><u>No</u></b>                    | <b><u>N/A</u></b>                   | <b><u>Notes</u></b>                                                                                                                  |
| Is groundwater onsite used for potable purposes?                                                                          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                                                                                                                      |
| Is the Facility connected to a public water supply?                                                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                                                                                                                                      |
| Are groundwater monitoring wells still in place (# wells)?                                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Groundwater Monitoring Network in place. Multiple wells observed onsite.                                                             |
| For wells where groundwater monitoring is no longer required, have the wells been properly decommissioned?                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | ORF2 and SWMU 38 – Well abandonment 2-12-2026                                                                                        |
| <b><u>Surface and Subsurface IC Review and Assessment Questions:</u></b>                                                  | <b><u>Yes</u></b>                   | <b><u>No</u></b>                    | <b><u>N/A</u></b>                   | <b><u>Notes</u></b>                                                                                                                  |
| Is the facility being used for residential purposes?                                                                      | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                                                                                                                      |
| Is there evidence of recent construction or earth-moving activities or are there future plans for such?                   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Multiple excavation sites observed in operation during this inspection; all sites appeared to be operating IAW the excavation permit |

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| <b><u>Engineered Cap or Cover Review and Assessment Questions:</u></b>                            | <b><u>Yes</u></b>                   | <b><u>No</u></b>                    | <b><u>N/A</u></b>                   | <b><u>Notes</u></b>                    |
|---------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----------------------------------------|
| Have vegetative landfill caps (name) been properly maintained?                                    | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                        |
| Have any repairs been necessary? (i.e. regrading, filling, root removal)                          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | As needed in accordance with CMIP Plan |
| Are there any necessary repairs that have not been made?                                          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                        |
| Is the leachate collection system operating and effectively preventing groundwater contamination? | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                        |
| <b><u>Miscellaneous EC Review and Assessment Questions:</u></b>                                   | <b><u>Yes</u></b>                   | <b><u>No</u></b>                    | <b><u>N/A</u></b>                   | <b><u>Notes</u></b>                    |
| Is the security fence intact?                                                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                                        |
| Is the appropriate signage posted?                                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |                                        |

Additional Notes:

[illegible]