

LONGHORN ARMY AMMUNITION PLANT
KARNACK, TEXAS
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VOLUME 9

2022

A. Title: Transmittal Letters – Initial Notice of Land Use Controls for one site, LHAAP-29, Former TNT Production Area, Longhorn Army Ammunition Plant, Karnack, Texas
Author(s): Department of the Army
Recipient: Senator Ted Cruz, et al.
Date: October 11, 2019
Bate Stamp: 01086715 – 01086743

Item A above was not placed in the 2019 AR. That is why these letters are out of date order and placed in this 2022 AR.

B. Title: Transmittal Letters – Initial Notice of Land Use Controls for one site, LHAAP-18/24, Burning Ground No. 3 and Unlined Evaporation Pond, Longhorn Army Ammunition Plant, Karnack, Texas
Author(s): Department of the Army
Recipient: Senator Ted Cruz, et al.
Date: March 16, 2020
Bate Stamp: 01086744 – 01086772

Item B above was not placed in the 2020 AR. That is why these letters are out of date order and placed in this 2022 AR.

C. Title: Report – Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 19, 2022
Bate Stamp: 01086773 – 01087365

D. Title: (Cont'd) Report – Appendix C to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 19, 2022
Bate Stamp: 01087366 – 01087980

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E. Title: (Cont'd) Report – Appendix D to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 19, 2022
Bate Stamp: 01087981 – 01088677

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- A. Title: (Cont'd) Report – Appendix D to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
- Author(s): Department of the Army
- Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
- Date: April 19, 2022
- Bate Stamp: 01088678 – 01090678

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2022

- A. Title: (Cont'd) Report – Appendix D to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
- Author(s): Department of the Army
- Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
- Date: April 19, 2022
- Bate Stamp: 01090679 – 01092680

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2022

- A. Title: (Cont'd) Report – Appendix D to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 19, 2022
Bate Stamp: 01092681 – 01092788
- B. Title: (Cont'd) Report – Appendix D Level IV DOD (March 2020) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 19, 2022
Bate Stamp: 01092789 – 01094683

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- A. Title: (Cont'd) Report – Appendix D Level IV DOD (March 2020) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
- Author(s): Department of the Army
- Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
- Date: April 19, 2022
- Bate Stamp: 01094684 – 01096685

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- A. Title: (Cont'd) Report – Appendix D Level IV DOD (March 2020) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
- Author(s): Department of the Army
- Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
- Date: April 19, 2022
- Bate Stamp: 01096686 – 01098686

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- A. Title: (Cont'd) Report – Appendix D Level IV DOD (March 2020) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 19, 2022
Bate Stamp: 01098687 – 01098801
- B. Title: (Cont'd) Report – Appendix D Level IV DOD (Oct 2020) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 19, 2022
Bate Stamp: 01098802 – 01100687

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- A. Title: (Cont'd) Report – Appendix D Level IV DOD (Oct 2020) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
- Author(s): Department of the Army
- Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
- Date: April 19, 2022
- Bate Stamp: 01100688 – 01102689

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- A. Title: (Cont'd) Report – Appendix D Level IV DOD (Oct 2020) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 19, 2022
Bate Stamp: 01102690 – 01103883
- B. Title: (Cont'd) Report – Appendix D Level IV DOD (Jan-Feb 2021) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 19, 2022
Bate Stamp: 01103884 – 01104691

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- A. Title: (Cont'd) Report – Appendix D Level IV DOD (Jan-Feb 2021) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
- Author(s): Department of the Army
- Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
- Date: April 19, 2022
- Bate Stamp: 01104692 – 01106693

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- A. Title: (Cont'd) Report – Appendix D Level IV DOD (Jan-Feb 2021) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
- Author(s): Department of the Army
- Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
- Date: April 19, 2022
- Bate Stamp: 01106694 – 01108695

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- A. Title: (Cont'd) Report – Appendix D Level IV DOD (Jan-Feb 2021) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 19, 2022
Bate Stamp: 01108696 – 01110073
- B. Title: (Cont'd) Report – Appendix D Level IV DOD (Jul-Aug 2020) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 19, 2022
Bate Stamp: 01110074 – 01110697

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- A. Title: (Cont'd) Report – Appendix D Level IV DOD (Jul-Aug 2020) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
- Author(s): Department of the Army
- Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
- Date: April 19, 2022
- Bate Stamp: 01110698 – 01112699

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- A. Title: (Cont'd) Report – Appendix D Level IV DOD (Jul-Aug 2020) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
- Author(s): Department of the Army
- Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
- Date: April 19, 2022
- Bate Stamp: 01112700 – 01114701

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- A. Title: (Cont'd) Report – Appendix D Level IV DOD (Jul-Aug 2020) to Final First Annual Remediation Action Operation Report, LHAAP-16 Landfill, Longhorn Army Ammunition Plant, Karnack, Texas, April 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 19, 2022
Bate Stamp: 01114702 – 01115163
- B. Title: Report – Preliminary (30%) Remedial Design for LHAAP-18/24, Burning Ground No. 3 and Unlined Evaporation Pond, Longhorn Army Ammunition Plant, Karnack, Texas
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency and Texas Commission on Environmental Quality
Date: April 25, 2022
Bate Stamp: 01115164 – 01115203
- C. Title: Transmittal Letter – Request for Schedule Extension for Submittal of the LHAAP-18/24 Draft (60%) Remedial Design (RD) to EPA, Longhorn Army Ammunition Plant, Karnack, TX
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency
Date: April 26, 2022
Bate Stamp: 01115204 – 01115204
- D. Title: Transmittal Letter – Request for Schedule Extension for Submittal of the LHAAP-18/24 Draft (60%) Remedial Design (RD) to TCEQ, Longhorn Army Ammunition Plant, Karnack, TX
Author(s): Department of the Army
Recipient: Texas Commission on Environmental Quality
Date: April 26, 2022
Bate Stamp: 01115205 – 01115205
- E. Title: Minutes – Final Monthly Managers' Meeting (MMM), Longhorn Army Ammunition Plant (LHAAP), March 16, 2022
Author(s): Department of the Army
Recipient: All Parties
Date: April 29, 2022
Bate Stamp: 01115206 – 01115238

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- F. Title: Report – Quarterly Evaluation Report, 4th Quarter (October-December) 2021, Groundwater Treatment Plant, Longhorn Army Ammunition Plant, Karnack, Texas, May 2022
Author(s): Bhate Environmental Associates, Inc.
Recipient: U.S. Army Corps of Engineers
Date: May 25, 2022
Bate Stamp: 01115239 – 01115540
- G. Title: (Cont'd) Report – Appendix C LHAAP-18-24 Labs to Quarterly Evaluation Report, 4th Quarter (October-December) 2021, Groundwater Treatment Plant, Longhorn Army Ammunition Plant, Karnack, Texas, May 2022
Author(s): Bhate Environmental Associates, Inc.
Recipient: U.S. Army Corps of Engineers
Date: May 25, 2022
Bate Stamp: 01115541 – 01116230
- H. Title: (Cont'd) Report – Appendix F Labs to Quarterly Evaluation Report, 4th Quarter (October-December) 2021, Groundwater Treatment Plant, Longhorn Army Ammunition Plant, Karnack, Texas, May 2022
Author(s): Bhate Environmental Associates, Inc.
Recipient: U.S. Army Corps of Engineers
Date: May 25, 2022
Bate Stamp: 01116231 – 01116702

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- A. Title: (Cont'd) Report – Appendix F Labs to Quarterly Evaluation Report, 4th Quarter (October-December) 2021, Groundwater Treatment Plant, Longhorn Army Ammunition Plant, Karnack, Texas, May 2022
Author(s): Bhate Environmental Associates, Inc.
Recipient: U.S. Army Corps of Engineers
Date: May 25, 2022
Bate Stamp: 01116703 – 01116833
- B. Title: Transmittal Letter – Draft Technical Memorandum to EPA, Proposed Revisions to LHAAP-04 and LHAAP-16, Remedial Action Operation Groundwater Monitoring Programs, Longhorn Army Ammunition Plant, Karnack, Texas, May 2022
Author(s): Department of the Army
Recipient: U.S. Environmental Protection Agency
Date: June 1, 2022
Bate Stamp: 01116834 – 01116834
- C. Title: Transmittal Letter – Draft Technical Memorandum to TCEQ, Proposed Revisions to LHAAP-04 and LHAAP-16, Remedial Action Operation Groundwater Monitoring Programs, Longhorn Army Ammunition Plant, Karnack, Texas, May 2022
Author(s): Department of the Army
Recipient: Texas Commission on Environmental Quality
Date: June 1, 2022
Bate Stamp: 01116835 – 01116835
- D. Title: Minutes – Final Monthly Managers' Meeting (MMM), Longhorn Army Ammunition Plant (LHAAP), May 18, 2022
Author(s): Department of the Army
Recipient: All Parties
Date: June 3, 2022
Bate Stamp: 01116836 – 01116840
- E. Title: Minutes – Final Minutes, Quarterly Restoration Advisory Board (RAB) Meeting, Longhorn Army Ammunition Plant, January 2022
Author(s): Bhate Environmental Associates, Inc.
Recipient: All Parties
Date: June 22, 2022
Bate Stamp: 01116841 – 01116889

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- F. Title: Presentation – January 2022 Restoration Advisory Board (RAB) Meeting
Presentation from George Rice re Metals, Longhorn Army Ammunition
Plant, Karnack, Texas
Author(s): George Rice
Recipient: All Parties
Date: June 22, 2022
Bate Stamp: 01116890 – 01116905
- G. Title: Report – Quarterly Evaluation Report, 1st Quarter (January - March)
2022, Groundwater Treatment Plant, Longhorn Army Ammunition Plant,
Karnack, Texas, June 2022
Author(s): Bhate Environmental Associates, Inc.
Recipient: U.S. Army Corps of Engineers
Date: June 29, 2022
Bate Stamp: 01116906 – 01118242