

APPENDICES

Final

Supplemental Environmental Impact Statement

Guam and Commonwealth of the Northern Mariana Islands Military Relocation (2012 Roadmap Adjustments)

Prepared for:
Joint Guam Program Office
Washington, DC

Prepared by:
Naval Facilities Engineering Command Pacific
Pearl Harbor, HI

July 2015

**Guam and CNMI Military Relocation
(2012 Roadmap Adjustments)
Supplemental Environmental Impact Statement**

APPENDICES

(Located on CD Inside Back Cover of the SEIS and as Separate PDF File)

TABLE OF CONTENTS

Appendix A – Elected Official Correspondence

1. To Governor Eddie Baza Calvo; from Robert O. Work (February 7, 2011) A-1
2. To Senator John S. McCain; From Rory J. Respicio (April 6, 2013) A-2

Appendix B – Public Notices

1. Notice of Intent To Prepare a Supplemental Environmental Impact Statement for the Guam and Commonwealth of the Northern Mariana Islands Military Relocation (2012 Roadmap Adjustments) and Notice of Public Scoping Meetings
 - a. Federal Register Notices B-1
 - b. Meeting Notifications B-4
2. Notice of Availability and Notice of Public Meetings for the Draft Supplemental Environmental Impact Statement for the Guam and Commonwealth of the Northern Mariana Islands Relocation (2012 Roadmap Adjustments)
 - a. Federal Register Notices B-13
 - b. Meeting Notifications B-15

Appendix C – Agency Correspondence

1. U.S. Air Force
 - a. U.S. Air Force Support of Marine Relocation: February 14, 2011 C-1
 - b. Cooperating Agency Request Letter: August 3, 2012 C-3
 - c. Reply: September 25, 2012 C-6
2. U.S. Department of the Interior (DOI)
 - a. Cooperating Agency Request Letter: August 3, 2012 C-7
 - b. Reply: (Undated) C-10
3. U.S. Environmental Protection Agency (USEPA)
 - a. Cooperating Agency Request Letter: August 3, 2012 C-11
 - b. Reply: September 14, 2012 C-14
4. Federal Aviation Administration (FAA)
 - a. Cooperating Agency Request Letter: August 3, 2012 C-16
 - b. Reply: August 20, 2012 C-19
 - c. Status Follow-up Letter: September 28, 2012 C-20
 - d. Live Fire Training Range Complex Feasibility Assessment: January 31, 2013 C-23

5. U.S. Federal Highway Administration (FHWA)	
a. Cooperating Agency Request Letter: August 3, 2012.....	C-26
b. Reply: August 29, 2012.....	C-29
6. U.S. Fish and Wildlife Service (USFWS)	
a. Cooperating Agency Request Letter: August 3, 2012.....	C-30
b. Reply: October 5, 2012	C-33
7. U.S. Department of Agriculture (USDA)	
a. Cooperating Agency Request Letter: August 3, 2012.....	C-34
b. Reply and Request for a Memorandum of Agreement: September 18, 2012.....	C-37
c. Response to Request for a Memorandum of Agreement: November 13, 2012.....	C-39
8. Guam Bureau of Statistics and Plans (BSP)	
a. Federal Agency Coastal Determinations.....	C-40
b. Request for Extension	C-217
c. Review of the Federal Agency Coastal Determinations.....	C-218
d. Review of the Summary of the Coordination Meeting.....	C-240
e. Response to Review of the Summary of the Coordination Meeting	C-247

Appendix D – Socioeconomic Impact Assessment Study (SIAS)

1. Socioeconomic Impact Assessment Study	D-1
--	-----

Appendix E – Background Information for Proposed Action and Alternatives

1. Information Report. Supplemental Environmental Impact Statement Live-Fire Training Range Complex on Guam (February 9, 2012)	E-1
2. Technical Report. Guam Live-Fire Training Range Alternatives in Consideration of Probabilistic Methodology Modeling (March 2012).....	E-13

Appendix F – Resource Section Supporting Documents

Appendix F.1 – Geological and Soil Resources

1. Impervious Surface Cover Calculations and Illustrating Figures	F.1-1
---	-------

Appendix F.2 – Water Resources

1. LID Applications and Conceptual Design	F.2-1
2. LFTRC Alternative Site Characteristics	F.2-12
3. Watershed Reconnaissance Studies for the Potential Site of the Live-Fire Training Range Complex, Guam	F.2-14

Appendix F.3 – Air Quality

1. MOVES Sample Input/Output	F.3-1
2. Construction Emissions Estimate.....	F.3-12
3. Onsite Construction.....	F.3-36
a. PM Emission Rates Estimate	F.3-36
b. AERMOD Model Sample Input/Output.....	F.3-44
4. On-road Mobile Source Air Quality Impact Analysis.....	F.3-81

Appendix F.4 – Noise

1. Operational Noise Consultation (No. WS.0012964.2-13) – Operational Noise Assessment for Proposed Guam Live-Fire Training Complex (June 27, 2013).....F.4-1
2. Ambient Sound Measurements at Northwest Field, Andersen Air Force Base, Guam (March 2015).....F.4-54

Appendix F.5 – Biological Resources

1. Species List – Terrestrial and MarineF.5-1
2. Species Profiles – Terrestrial and MarineF.5-4
3. Consultation Correspondence with USFWS and NMFSF.5-27
 - a. DON Biological Assessment for the Re-Initiation of Consultation on the Biological Opinion for the Joint Guam Program Office Relocation of the U.S. Marine Corps from Okinawa to Guam and Associated Activities on Guam and Tinian (2010-F-122) (April 3, 2013)F.5-27
 - b. USFWS Response to DON Re-Initiation of Consultation for the Joint Guam Program Office (JGPO) Relocation of the U.S. Marine Corps (USMC) from Okinawa to Guam and Associated Activities on Guam and Tinian (May 3, 2013)F.5-110
 - c. DON Request to USFWS Pacific Islands Field Office for Concurrence on Species List and Designated Critical Habitat on the U.S. Territory of Guam (September 10, 2013)F.5-112
 - d. DON Response to May 3, 2013 USFWS Letter (January 30, 2014).....F.5-116
 - e. DON Request for Formal Consultation under Section 7(a)(2) of the Endangered Species Act including the Biological Assessment for the Re-Initiation of Consultation Regarding the Proposed Military Relocation to Guam (September 30, 2014)F.5-126
 - f. USFWS Response to the September 30, 2014 DON Letter (October 31, 2014).....F.5-294
 - g. DON Response to October 31, 2014 USFWS Letter (November 7, 2014).....F.5-300
 - h. USFWS Response to November 7, 2014 DON Letter (December 19, 2014)F.5-316
 - i. DON Request for Consultation with NMFS on the Potential Effects of the Guam and Commonwealth of Northern Mariana Islands (CNMI) Military Relocation (2012 Roadmap Adjustments) on Essential Fish Habitat (November 24, 2014)F.5-331
 - j. DON Request for Consultation with NMFS on the Effects of the Guam and CNMI Military Relocation (2012 Roadmap Adjustments) on Federally-listed Marine Species (December 10, 2014).....F.5-338
 - k. DON Request for Initiation of Conference for Proposed Listed Species Regarding the Proposed Military Relocation to Guam (March 10, 2015)F.5-350
 - l. Additional Information Provided by DON Regarding the Consultation with NMFS on the Potential Effects of the Guam and Commonwealth of Northern Mariana Islands (CNMI) Military Relocation (2012 Roadmap Adjustments) on Essential Fish Habitat (March 17, 2015)F.5-352
 - m. Continued DON Informal Consultation with NMFS on the Effects of the Guam and CNMI Military Relocation (2012 Roadmap Adjustments) on Federally-listed Marine Species (April 13, 2015)F.5-370

n.	NMFS Conclusion of Consultation on the Potential Effects of the Guam and Commonwealth of Northern Mariana Islands (CNMI) Military Relocation (2012 Roadmap Adjustments) on Essential Fish Habitat (April 27, 2015)	F.5-389
o.	NMFS Conclusion of Consultation on the Effects of the Guam and CNMI Military Relocation (2012 Roadmap Adjustments) on Federally-listed Marine Species (May 18, 2015).....	F.5-404
p.	DON Response to NMFS Regarding the Conclusion of Consultation on the Potential Effects of the Guam and Commonwealth of Northern Mariana Islands (CNMI) Military Relocation (2012 Roadmap Adjustments) on Essential Fish Habitat (May 27, 2015)	F.5-419
4.	Regional Biosecurity Plan for Micronesia and Hawaii – Distribution Letter (March 6, 2015).....	F.5-426

Appendix F.6 – Ground Transportation

1.	Figures.....	F.6-1
2.	Guam and CNMI Military Relocation (2012 Roadmap Adjustments) SEIS Traffic Operations Report (September 2013)	F.6-11
3.	Guam and CNMI Military Relocation (2012 Roadmap Adjustments) SEIS Traffic Operations Report Supplemental Analysis (August 2014).....	F.6-1,261

Appendix F.7 – Hazardous Materials and Waste

1.	Summary of IRP, MMRP and FUDS Sites in the Proposed Project Areas.....	F.7-1
----	--	-------

Appendix G – Responses to Public and Agency Comments on the Draft SEIS

1.	G.1: Overview of Comments and Comment Responses	G.1-1
2.	G.2: Comments and Comment Responses	G.2-1