



Draft

Environmental Impact Statement /  
Overseas Environmental Impact Statement

**GUAM AND CNMI MILITARY RELOCATION**

Relocating Marines from Okinawa,  
Visiting Aircraft Carrier Berthing, and  
Army Air and Missile Defense Task Force

**Volume 8: Additional Items Required by NEPA**

November 2009

Comments may be submitted to:

Joint Guam Program Office  
c/o Naval Facilities Engineering Command, Pacific  
Attn: Guam Program Management Office  
258 Makalapa Drive, Suite 100  
Pearl Harbor, HI 96860

This Page Intentionally Left Blank.

# Guam and CNMI Military Relocation EIS/OEIS

## Volume 8: Additional Items Required by NEPA

### Table of Contents

<b>CHAPTER 1. INTRODUCTION .....</b>	<b>1-1</b>
<b>CHAPTER 2. CONSISTENCY WITH OTHER FEDERAL, STATE, AND LOCAL LAND USE PLANS, POLICIES, AND CONTROLS .....</b>	<b>2-1</b>
2.1 DOD LAND USE PLANNING .....	2-5
2.2 GUAM LAND USE PLANNING.....	2-6
2.2.1 Land Use Management.....	2-6
2.2.2 Guam Land Use Plan.....	2-7
2.3 TINIAN LAND USE PLANNING.....	2-7
<b>CHAPTER 3. REQUIRED PERMITS AND APPROVALS.....</b>	<b>3-1</b>
3.1 REQUIRED PERMITS AND APPROVALS.....	3-1
3.1.1 Summary of Applicable Regulations to Protect Environmental Resources on Guam and Tinian .....	3-8
<b>CHAPTER 4. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT OF RESOURCES .....</b>	<b>4-1</b>
<b>CHAPTER 5. RELATIONSHIP BETWEEN SHORT-TERM USE OF THE ENVIRONMENT AND LONG-TERM PRODUCTIVITY.....</b>	<b>5-1</b>
5.1 GEOLOGICAL AND SOIL RESOURCES.....	5-1
5.1.1 Short-Term .....	5-1
5.1.2 Long-Term .....	5-1
5.2 WATER RESOURCES .....	5-1
5.2.1 Short-Term .....	5-1
5.2.2 Long-Term .....	5-2
5.3 AIR QUALITY .....	5-2
5.3.1 Short-Term .....	5-2
5.3.2 Long-Term .....	5-3
5.4 NOISE.....	5-3
5.4.1 Short-Term .....	5-3
5.4.2 Long-Term .....	5-3
5.5 AIRSPACE.....	5-3
5.5.1 Short-Term .....	5-3
5.5.2 Long-Term .....	5-3
5.6 LAND AND SUBMERGED LAND USE .....	5-4
5.6.1 Short-Term .....	5-4
5.6.2 Long-Term .....	5-4
5.7 RECREATIONAL RESOURCES .....	5-4
5.7.1 Short-Term .....	5-4
5.7.2 Long-Term .....	5-4

5.8	TERRESTRIAL BIOLOGICAL RESOURCES .....	5-5
5.8.1	Short-Term .....	5-5
5.8.2	Long-Term .....	5-5
5.9	MARINE BIOLOGICAL RESOURCES .....	5-5
5.9.1	Short-Term .....	5-5
5.9.2	Long-Term .....	5-5
5.10	CULTURAL RESOURCES .....	5-6
5.10.1	Short-Term .....	5-6
5.10.2	Long-Term .....	5-6
5.11	VISUAL RESOURCES .....	5-6
5.11.1	Short-Term .....	5-6
5.11.2	Long-Term .....	5-6
5.12	TRANSPORTATION .....	5-6
5.12.1	Short-Term .....	5-6
5.12.1.1	Onshore.....	5-6
5.12.1.2	Offshore .....	5-7
5.12.2	Long-Term .....	5-7
5.12.2.1	Onshore.....	5-7
5.12.2.2	Offshore .....	5-7
5.13	UTILITIES.....	5-7
5.13.1	Short-Term .....	5-7
5.13.1.1	Power .....	5-7
5.13.1.2	Potable Water .....	5-7
5.13.1.3	Wastewater .....	5-8
5.13.1.4	Solid Waste.....	5-8
5.13.2	Long-Term .....	5-8
5.13.2.1	Power .....	5-8
5.13.2.2	Potable Water .....	5-8
5.13.2.3	Wastewater .....	5-9
5.13.2.4	Solid Waste.....	5-9
5.14	SOCIOECONOMICS AND GENERAL SERVICES .....	5-9
5.14.1	Short-Term .....	5-9
5.14.2	Long-Term .....	5-9
5.15	HAZARDOUS MATERIALS AND WASTE.....	5-9
5.15.1	Short-Term .....	5-9
5.15.2	Long-Term .....	5-10
5.16	PUBLIC HEALTH AND SAFETY .....	5-10
5.16.1	Short-Term .....	5-10
5.16.2	Long-Term .....	5-10
5.17	ENVIRONMENTAL JUSTICE AND THE PROTECTION OF CHILDREN .....	5-10
5.17.1	Short-Term .....	5-10
5.17.2	Long-Term .....	5-10
	<b>CHAPTER 6. SUSTAINABILITY AND SMART GROWTH .....</b>	<b>6-1</b>
6.1	SUSTAINABILITY.....	6-1
6.1.1	Overview .....	6-1

6.1.2	Laws, Requirements, and Guidance .....	6-1
6.1.2.1	Relevant Federal Policies, Laws .....	6-1
6.1.2.2	Navy, Marine Corps, and Joint Region Marianas Policies and Guidance .....	6-2
6.2	IMPLEMENTATION STRATEGIES AND OBJECTIVES .....	6-4
6.2.1	Navy Energy Policy.....	6-4
6.2.2	Master Planning and Design.....	6-4
6.2.3	Application of LEED Tools .....	6-5
6.2.3.1	LEED-NC for New Construction and Campuses .....	6-6
6.2.3.2	LEED-ND for Neighborhood Development.....	6-6
<b>CHAPTER 7. DISTRIBUTION LIST .....</b>	<b>7-1</b>	
7.1	PARTIES RECEIVING NOTICE OF AVAILABILITY OF DRAFT ENVIRONMENTAL IMPACT STATEMENT (EIS)/OVERSEAS ENVIRONMENTAL IMPACT STATEMENT (OEIS).....	7-1
<b>CHAPTER 8. LIST OF PREPARERS.....</b>	<b>8-1</b>	
8.1	GOVERNMENT CONTRIBUTORS/REVIEWERS .....	8-1
8.2	TEC INC. JOINT VENTURE .....	8-1
8.2.1	Management .....	8-1
8.2.2	TEC Inc. .....	8-1
8.2.3	AECOM Technical Services, Inc. .....	8-3
8.2.4	EDAW, Inc.....	8-5
8.2.5	Parsons Transportation Group/Parsons Brinckerhoff Team.....	8-5
8.2.6	Helber Hastert & Fee Planners, Inc.....	8-6
8.2.7	Business Case Analytics LLC .....	8-7
<b>CHAPTER 9. REFERENCES.....</b>	<b>9-1</b>	

### List of Figures

<u>Figure</u>	<u>Page</u>
No table of figures entries found.	

### List of Tables

<u>Table</u>	<u>Page</u>
Table 2.1-1. Status of Compliance with Relevant Plans, Policies, and Controls.....	2-1
Table 3.1-1. Required Permits and Approvals .....	3-1
Table 6.1-1. Summary of Federal Policies and Guidance.....	6-3

This Page Intentionally Left Blank.

---

## CHAPTER 1.

## INTRODUCTION

---

This volume is divided into seven chapters. Chapter 1 provides a brief introduction and lists the contents of subsequent chapters. Chapter 2 is titled Consistency with Other Federal, State, and Local Land Use Plans, Policies, and Controls and provides a summary table that identifies relevant plans, policies, and controls that apply to the proposed actions. Chapter 3 identifies required permits and approvals. Chapter 4 discusses the irreversible and irretrievable commitment of resources. Chapter 5 provides a discussion on the relationship between short-term use of the environment and long-term productivity; it is subdivided into resource categories. Chapter 6 addresses the goals of sustainability and smart growth. Chapter 7 provides the distribution list of agencies receiving this document, and Chapter 8 provides information on the individuals and organizations that prepared this document.

This Page Intentionally Left Blank.