

Environmental Standard Operating Procedure			
Originating Office: MCAS Miramar Environmental Management Department	Revision: Original	Prepared By: Environmental Management Department.	Approved By: LtCol T. C. Fries
File Name: Outdoor Lighting	Effective Date: 12 Dec 2010	Document Owner: EMD	

Title: Outdoor Lighting

1.0 PURPOSE

This Environmental Standard Operating Procedure (ESOP) identifies responsibilities and requirements for the operation of outdoor lighting to the overall power management and energy conservation at Marine Corps Air Station (MCAS) Miramar.

2.0 APPLICATION

This guidance applies to those individuals who use or have the potential to or use outdoor electrical lighting at Marine Corps Air Station (MCAS) Miramar.

3.0 PROCEDURE

3.1 Discussion:

In the course of supporting the training mission, station personnel and operational forces must operate outdoors but within the confines of MCAS Miramar during the hours of darkness, in various areas aboard the installation. The use of electrical power as an energy source for outdoor lighting has long been the standard and will continue to be the standard for many years into the future. As a requirement of the various references, at least half of the statutorily required renewable energy consumed by the agency in a fiscal year must come from new renewable sources and, when feasible, implement renewable energy generation projects on MCAS Miramar. The outdoor lighting requirements must be reduced to further reduce the demand on our resources.

3.2 Operational Controls:

The following procedures apply:

1. Conduct and document regular inspections of all equipment.
2. Conduct and document regular maintenance on all equipment according to manufacturer's specifications.
3. Ensure team members are aware of the mandated energy goals and the specific energy issues facing our facilities.
4. Encourage team members to use their knowledge of building operations and requirements to suggest ways to reduce energy usage and costs.

5. Carry out periodic walk-through inspection of facilities to ensure that good energy management procedures are in place with regards to outdoor lighting usage, building systems and controls are working properly, and facility personnel understand what measures are to be taken to conserve.
6. Outdoor lighting will be secured to the greatest degree practicable, after working hours, on weekends and holidays
7. Do not install High Intensity Discharge (HID) fixtures, such as metal halide (MH) and high-pressure sodium (HPS) , without government approval; optimize fluorescent lighting design.
8. Ensure outdoor lighting is off during daylight hours
9. Ball fields and other outside sporting areas may use metal halide lighting. Such lighting shall be photocell controlled to preclude being turned on during daylight hours, and timer controlled to assure turn-off after use at night.
10. Decorative lighting is prohibited in facilities except as specifically authorized by the PWO. Decorative lighting includes exterior floodlights, down lights, up lights, and other architectural lighting.
11. Holiday lighting displays must be approved by the PWO. Where allowed, lights shall be low wattage light emitting diode (LED) lights.
12. Supplementary task lighting shall be used to provide more light where it is needed, rather than adding more general lighting. Task lighting shall be compact fluorescent type/LED lights of equal efficiency.

3.3 Documentation and Record Keeping:

The following records must be maintained:

1. None known

3.4 Training:

All personnel must be trained in this Standard Operating Procedure, as well as the following, as applicable:

1. On the job (OJT) training.

3.5 Emergency Preparedness and Response Procedures:

Refer to Marine Corps Order (MCO) P5090.2A,

3.6 Inspection and Corrective Action:

The Environmental Coordinator (EC) shall perform or designate personnel to perform inspections. The EC shall ensure deficiencies noted during the inspections are corrected immediately. Actions taken to correct each deficiency shall be recorded on the inspection sheet.

4.0 REFERENCES

- MCO P5090.2A (Marine Corps Order)
- StaO 11300.2A

Outdoor Lighting – Inspection Checklist	
Date:	Time:
Installation:	Work Center:
Inspector's Name:	Signature:

Inspection Items	Yes	No	Comments
1. Is outdoor lighting secured to the greatest degree practicable, after working hours, on weekends and holidays? (StaO 11300.2A)			
2. Is outdoor lighting is off during daylight hours? (StaO 11300.2A)			
3. Are ball fields and other outside sporting areas photocell controlled to preclude being turned on during daylight hours, and timer controlled to assure turn-off after use at night? (StaO 11300.2A)			

ADDITIONAL COMMENTS:

CORRECTIVE ACTION TAKEN:

Environmental Coordinator

Name: _____

Signature: _____

Date: _____