

**St. Lucie County
Lighting Evaluation
April 2015**

**Final Report to
St. Lucie County**

May 2015

**Submitted by
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INTRODUCTION

In February 2015, Ecological Associates, Inc. (EAI) was contracted by St. Lucie County to perform nighttime lighting surveys of the unincorporated Atlantic coastline of the County. The intent of the surveys is to evaluate all visible lights with respect to their potential effects on nesting and hatchling sea turtles. Surveys were conducted during the month of April 2015 and the results are reported herein.

PROCEDURES

Two nights were required to complete a comprehensive evaluation of artificial lighting along St. Lucie County's unincorporated Atlantic coastline. Surveys were conducted on the evenings of the 9th and 10th of April 2015. All facilities were evaluated from the beach seaward of the primary dune. All lights that were illuminated and not in compliance with the sea turtle protection provisions of Chapter VI of the St. Lucie County Land Development Code, were identified and evaluated. Section 6.04.02(J)(1) of the Code states that "Existing artificial light sources shall be repositioned, modified or replaced with modern alternatives so that the source of light is not directly visible from the beach and/or does not directly illuminate areas seaward of the primary dune". Section 6.04.02(K) of the Code states, "Effective March 1, 1992, throughout each nesting season, exterior light sources directly visible from the beach or illuminating areas seaward of the primary dune shall be turned off between sunset and sunrise each night". The nesting season is defined as the period from March 1 through November 15. Non-compliant exterior lights were rated with respect to their potential effects on sea turtles. Based on a light's intensity, location, distance from the beach, type of fixture and other relevant factors, recommendations were made for corrective measures. All non-compliant lights that were identified during previous lighting surveys in August 2012 (EAI 2012), April 2013 (EAI 2013a), July 2013 (EAI 2013b), and May 2014 (EAI 2014) were re-evaluated during the April 2015 survey.

GENERAL OBSERVATIONS

Extent of Lighting Problems – Surveys included evaluation of lighting at over 100 facilities including 68 condominium buildings, 30 single family homes, a number of parks and public beach accesses, several resorts, a restaurant, a museum, and a power plant. Noncompliant exterior lights were identified at 27 facilities (16 condominiums, 7 single family homes, two hotels, a restaurant, and a residential development).

High intensity lights (Problem Codes 1 and 2) were observed at 5 locations (3 condominiums, a private residence and a residential development). Moderate to low intensity problem lights (Problem Codes 3-5) were visible from the beach at a number of locations throughout the survey area. Most of these were associated with parking lots, balconies, and walkways.

Factors Contributing to Lighting Problems - The extent to which lights within direct line-of-sight of the beach are likely to be problematic is dependent on a combination of factors, including the intensity of the light source, the type of lamp, the type of fixture housing the lamp, the distance of the fixture from the beach, the height at which the fixture is mounted and the height

of the dune buffer. Factors which presently contribute to observed lighting problems along the project area include: a) a number of the light sources are high intensity, b) many of the fixtures use white, broad-spectrum bulbs which are highly disruptive to hatchling sea-finding and adult nesting behavior, c) many of the fixtures allow light to escape in all directions rather than being directional, d) some of the fixtures are very close to the beach, e) some of the fixtures are mounted on tall poles, and g) the dune and dune vegetation are low in some areas.

GENERAL RECOMMENDATIONS

The following recommendations are provided to assist in addressing site lighting problems. A suite of alternative measures is available for correcting lighting problems. In some cases, any one of several options may work equally well; in others only one may be effective. Often a combination of measures may be required.

Reduction in Number of Lights - One of the most effective ways of minimizing potential lighting problems is to reduce the overall number of lights at a site. In particular, high intensity lights should be eliminated whenever possible. Similarly, the number of lights used on hallways, balconies, walkways and other common areas can often be reduced without affecting safety or security.

Non-use - In some cases it may be advisable to permanently eliminate a fixture, render it inoperative, or remove the light source.

Replacement of Fixtures - General broadcast fixtures that allow light to escape in all directions should be replaced with fixtures that confine light to the immediate area for which it is intended. Parking lot lights should illuminate only the parking lot, hallway lights only the hallway, etc. Opaque, down-lighting fixtures are ideal replacements for transparent and translucent ceiling and wall-mounted fixtures. These fixtures direct light downward. In addition to being opaque, replacement fixtures should have a recessed light source so the bulb is not directly visible from the beach. For applications that require a wider distribution of light (such as roadway lighting), cutoff fixtures may be appropriate. Only cutoff fixtures that specify shielding that keeps light 15 to 20 degrees below the horizontal plane of the fixture should be used. And these lights should only be used if they may be positioned and/or shielded so they do not illuminate the beach. A number of fixtures have been certified by the Florida Fish and Wildlife Conservation Commission (FWC) and the U.S. Fish & Wildlife Service as Wildlife Lighting Approved. These fixtures when properly lamped and installed are recommended for use in areas where artificial lighting is needed adjacent to ecologically sensitive areas such as sea turtle nesting beaches. Information on these fixtures is available on the following website: <http://www.myfwc.com/conservation/you-protect/conservation/lighting/certified/>.

Shields - The shape, depth and construction of a shield will necessarily vary for different types of fixtures. The shield should be of sufficient depth and width so the light source is not directly visible from the beach. Shields should cover an arc of at least 180° on the ocean side. Shields with smaller arcs may allow light to be visible from the beach to the north or south. Hoods may be installed on existing spotlights to make them more directional.

Repositioning of Fixtures - In some cases repositioning lights may reduce the amount of stray light that reaches the beach. Directional spotlights (i.e., those equipped with hoods) may be aimed away from the beach to minimize the amount of light reaching the beach. Furthermore, some lights may be blocked from beach view by moving them behind walls, buildings or vegetation.

Reduction in Mounting Height - High mounting heights allow lights to be visible over larger areas of beach than low mounting heights. In some cases, lights are within direct line-of-sight of the beach only because they are mounted so high. Where practical, lights mounted at high elevations should be replaced with low-mounted fixtures. It may take more lights to illuminate the same area, but it may be the only way to correct site lighting.

Reduction in Light Intensity - Overall site lighting can be improved by reducing the intensity of light sources. Incandescent lamps (light bulbs) of only 40-50 watts provide adequate visibility in areas where safety is of concern, such as along walkways. Reduction in light intensity will not necessarily eliminate a lighting problem. This modification should be done in association with other corrective measures, such as shielding or replacement of fixtures.

Less-Disruptive Lamps - Turtles are less sensitive to long-wavelength lights such as “true” yellow and red lights than shorter-wavelength light sources such white incandescent, fluorescent, metal halide, and mercury vapor lights. In situations, where relatively low light levels are needed, replacement of white lights with low-intensity, long-wavelength light sources (such as Nature-Safe 72 red or amber LED lamps) may substantially reduce the potential for lighting problems. However, if large numbers of low luminance lamps are involved, these lights should be used in combination with other options. In situations where high luminance lamps are used, low-pressure sodium-vapor (LPS) lights are an excellent substitute for standard high-pressure sodium-vapor and metal halide lamps. LPS lights emit monochromatic yellow light, one of the least disruptive types of light for sea turtles. Nevertheless, they should be used in conjunction with other light management techniques. A list of artificial light sources grouped by the level of disruption they are likely to cause sea turtles is provided by Witherington and Martin (2003, Appendix A). Information on Wildlife Lighting Approved lamps is available on FWC’s website at <http://www.myfwc.com/conservation/you-serve/lighting/certified/bulbs/>

Improving Dune Buffers - Improved dune buffers are often effective in significantly reducing lighting problems. Good dune buffers are especially important on the ocean side of roadways and parking lots adjacent to the beach. In addition to shielding streetlights and parking lot lights from beach view, vehicular lights are also blocked from shining on the beach.

Interior Lights – Interior lights are best managed through the use of proper window coverings (opaque curtains, blinds, or shutters that completely cover the window). However, such window coverings must be closed all night, every night throughout the sea turtle nesting season to be effective. For this reason, it may also be advisable to apply window tinting to all windows facing the beach. Tinting that achieves an inside-to-outside visible light transmittance of 45 percent or less is recommended. Finally, it may be necessary to reposition some light fixtures so they are not visible from the beach.

SPECIFIC FINDINGS

Facility Reports with specific findings and recommendations for all problem lights at each facility are presented in Appendix A. Beachfront Lighting Evaluation Codes are defined in Appendix B.

LITERATURE CITED

- EAI (Ecological Associates, Inc.). 2012. St. Lucie County Lighting Evaluation: August 2012. Final report to St. Lucie County. Submitted by Ecological Associates, Inc., Jensen Beach, FL.
- _____. 2013a. St. Lucie County Lighting Evaluation: April 2013. Final report to St. Lucie County. Submitted by Ecological Associates, Inc., Jensen Beach, FL.
- _____. 2013b. St. Lucie County South Beach Restoration Project Lighting Evaluation: July 2013. Final report to Coastal Technology Corporation. Submitted by Ecological Associates, Inc., Jensen Beach, FL.
- _____. 2014. St. Lucie County Lighting Evaluation: May 2014. Final report to St. Lucie County. Submitted by Ecological Associates, Inc., Jensen Beach, FL.
- Witherington, B.E. and R.E. Martin. 2003. Understanding, assessing, and resolving light-pollution problems on sea turtle nesting beaches. 3rd ed. rev. FMRI Tech. Rep. TR-2. Florida Marine Research Institute, St. Petersburg, Florida. 73 p.

APPENDIX A
ST. LUCIE COUNTY LIGHTING EVALUATION
FACILITY REPORTS

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Villa Del Sol

Address: 11000 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: on patios

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: None necessary if leave off during sea turtle nesting/hatching season.

Observed Modifications: off during this evaluation

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Villa Del Sol

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: Parking light between first and second building

Current Problem Code: 1 2 3 4 5 OFF

Comments: this light may have been previously blocked by vegetation

Recommended Modifications: S or RE, allow vegetation to grow

Observed Modifications: None

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report

Property/Facility: Ocean Dunes

Address: 10980 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: In Parking lot west of Ocean Dunes

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE, allow vegetation to grow

Observed Modifications: None

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report

Property/Facility: Courtyard by Marriott

Address: 10978 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: north end of parking lot

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: adequately shielded

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Courtyard by Marriott

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: south end of parking lot

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE, allow vegetation to grow

Observed Modifications: None

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report

Property/Facility: Pietro's on the Ocean

Address: 10900 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Window tint is technically in compliance with ordinance, but over 18 interior lights are visible from the beach which could potentially disrupt sea turtle behavior. It is recommended that window coverings be installed and closed at night during sea turtle nesting/hatching season. Lights were turned off at approximately 21:45.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: approximately six on south side of building

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE (downlights)

Observed Modifications: Either turned off or not observed during this evaluation

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Pietro's on the Ocean

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: north side of building

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary under current conditions

Observed Modifications: only visible through small gaps in vegetation

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: north end of property west of building

Current Problem Code: 1 2 3 4 5 OFF

Comments: not observed during this evaluation

Recommended Modifications: none necessary under current conditions

Observed Modifications: these lights may no longer be visible from the beach due to growth of vegetation or changes in beach elevation

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Pietro's on the Ocean

4) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: fixtures attached to west sides of posts of railing around east side of deck

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: shield north and south sides or replace with downlights

Observed Modifications: Turned off or not observed during this survey

Additional Modifications Required: YES NO

5) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: Bright white lantern like lights on tables

Current Problem Code: 1 2 3 4 5 OFF

Comments: May be removable lights

Recommended Modifications: If lights are used on a regular basis, it is recommended they be replaced with 180 degree shielded lights and direct downward.

Observed Modifications: None

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Pietro's on the Ocean

4) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: rope lights on walkover

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: Either turn off or recess lights into handrails so that they are not visible from the beach

Observed Modifications: None

Additional Modifications Required: YES NO

5) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Windmill Village

Address: 10850 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: southeast corner of building

Current Problem Code: 1 2 3 4 5 OFF

Comments: a small portion of the light is visible from a small area

Recommended Modifications: S or RP (lower the mounting height by 3 ft) if this light is found to be a problem

Observed Modifications: Turned off or not visible due to lower beach elevation

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Holiday Out

Address: 10820 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: Under eaves around building at east end of property

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary

Observed Modifications: lower intensity red bulbs have been installed

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Holiday Out

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: One tall pole-light formerly visible through the south beach access

Current Problem Code: 1 2 3 4 5 OFF

Comments: this light is not visible due to changes in beach elevation

Recommended Modifications: none necessary under current conditions

Observed Modifications: beach elevation has decreased

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: green light on east side of building, a lot of reflection

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: Turn off

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Venture Three

Address: ~10810 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Turtle Reef Club

Address: 10800 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Very bright interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: on balconies

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: RE (downlight) or leave off during sea turtle nesting/hatching season

Observed Modifications: all are off

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Turtle Reef Club

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two pole-mounted globe lights at the south end of the parking lot

Current Problem Code: 1 2 3 4 5 OFF

Comments: these lights are no longer visible from the beach due to changes in beach elevation

Recommended Modifications: none necessary under current conditions

Observed Modifications: beach elevation has decreased

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two sets of tennis court lights facing east

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Vistana's Beach Club

Address: 10730 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: Downlight on top floor, northeast side of building, source is visible due to proximity to beach and elevation of light.

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: Turn off when if not necessary

Observed Modifications: Downlight

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Island Crest

Address: 10680 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: three parking lights in northeast corner of parking lot

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE, allow sea grapes to grow

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: two-story building between Island Crest and Ocean South II

Address: ~10640 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: one south of the building

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S

Observed Modifications: none

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Oceana South II

Address: 10600 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Island Club

Address: 10410 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: along open walkways on west side of building

Current Problem Code: 1 2 3 4 5 OFF

Comments: visible from the north

Recommended Modifications: RE (downlights) or S

Observed Modifications: they were either turned off or not visible due to lower beach elevation

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Island Club

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: six at the north end of the parking lot

Current Problem Code: 1 2 3 4 5 OFF

Comments: these lights are no longer visible from the beach due to changes in beach elevation

Recommended Modifications: none necessary under current conditions

Observed Modifications: beach elevation has decreased

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two wall-mounted floodlights on the north end of the building

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: fix shield or adjust alignment of light

Observed Modifications: shielded but one shield may have come off or re-positioned, light source seen from the north

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Island Club

4) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: there is a very bright light (possibly a spotlight) at the west end of the dune crossover facing east toward the beach

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary under current conditions

Observed Modifications: off or not visible

Additional Modifications Required: YES NO

5) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Beach Club Colony beach access

Address: ~10370 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Waveland Beach

Address: 10350 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 10330 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window

Coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Ocean Rise

Address: 10310 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: three rectangular cutoff fixtures mounted on tall poles west of the north end of the building

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary under current conditions

Observed Modifications: all three lights have been adequately shielded

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Ocean Rise

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: unidentified light between Ocean Rise and Atlantis III

Current Problem Code: 1 2 3 4 5 OFF

Comments: not observed during this survey

Recommended Modifications: none necessary

Observed Modifications: may be off or may have been modified so longer visible from beach

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Atlantis III

Address: 10200 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: rectangular cutoff fixtures mounted on tall poles (three west of north end of Atlantis III and one west of the south end of Atlantis III)

Current Problem Code: 1 2 3 4 5 OFF

Comments: these lights are now compliant

Recommended Modifications: none necessary

Observed Modifications: these lights are now compliant

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Atlantis III

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: on balcony of one unit (third floor from the top; two or three units from the south end)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE (downlight) or leave off during sea turtle season

Observed Modifications: Off during this evaluation

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: on balcony unit (top floor; southeast corner of building)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: RE with low level, shielded fixture or turn off at night

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Atlantis Building B

Address: 10152 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: one floodlight-type fixture mounted on a tall pole west of Atlantis Building B

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Atlantis Building A

Address: 10102 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Bright interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: rectangular cutoff fixtures mounted on tall poles (two west of north end and one west of the south end of Atlantis Building A, and one between Atlantis Buildings A and B)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary under current conditions

Observed Modifications: All are now adequately shielded

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Claridge

Address: 10072 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Sea Winds

Address: 10044 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: The Miramar

Address: 10000 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: in parking lot of The Miramar

Current Problem Code: 1 2 3 4 5 OFF

Comments: not currently visible from beach

Recommended Modifications: none necessary under current conditions

Observed Modifications: these lights are no longer visible from the beach possibly due to a decrease in beach elevation and/or thickening of dune vegetation

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: The Miramar

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: Two wall mounted lights, one light on the middle unit second floor from the top and one light on top floor of southern middle unit

Current Problem Code: 1 2 3 4 5 OFF

Comments: Collectively the lights are Problem Code 2, individually Problem Code 3 each

Recommended Modifications: S or RE

Observed Modifications: None

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report

Property/Facility: Miramar II

Address: 9960 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: in the parking lot of Miramar II

Current Problem Code: 1 2 3 4 5 OFF

Comments: currently not visible from beach

Recommended Modifications: none necessary under current conditions

Observed Modifications: these lights are no longer visible from the beach possibly due to a decrease in beach elevation and/or thickening of dune vegetation

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report

Property/Facility: Miramar Royale

Address: 9950 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: one at north end of parking lot and two south of the building

Current Problem Code: 1 2 3 4 5 OFF

Comments: not currently visible from beach

Recommended Modifications: none necessary under current conditions

Observed Modifications: no longer visible from beach

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Oceana North

Address: 9940 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two on one pole W of bldg (previously visible from NE). One at north end of parking lot (previously visible from E of pool), two SW of building (previously visible from E)

Current Problem Code: 1 2 3 4 5 OFF

Comments: light sources are not currently visible for any of the fixtures

Recommended Modifications: all lights are technically in compliance, however, there is much light reflected from the shield of the easternmost fixture SW of the building; the potential for this light to impact sea turtles would be reduced if the light intensity were reduced

Observed Modifications: S

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report

Property/Facility: Building between Oceana North I and Oceana II North

Address: ~9920 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: three on east side of building (formerly visible from northeast and southeast)

Current Problem Code: 1 2 3 4 5 OFF

Comments: not currently visible from the beach

Recommended Modifications: none necessary under current conditions

Observed Modifications: off or modified so not visible from beach; it is also possible that lower

beach elevation during this survey may have affected visibility from the beach

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Building between Oceana North I and Oceana II North

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: at west end of dune crossover (previously visible east of crossover)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary under current conditions

Observed Modifications: this light was not visible from the beach during this survey; it may have been off or modified or its visibility may have been affected by lower beach elevation

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Oceana II North

Address: 9900 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Streetlight at ~9850 S. Ocean Drive

Address: ~9850 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: cobrahead streetlight west of A1A

Current Problem Code: 1 2 3 4 5 OFF

Comments: not visible from the beach during this survey

Recommended Modifications: none necessary under current conditions

Observed Modifications: due to lower beach elevation this light was not visible from the beach during this survey

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Nettles Island Beach Access and pool

Address: ~9850 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Island Beach Resort/ Shuckers

Address: 9800 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights at Island Beach Resort and Shuckers are visible from the beach.

It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: cutoff fixtures with low-pressure sodium vapor lamps (previously visible from the northeast and southeast)

Current Problem Code: 1 2 3 4 5 OFF

Comments: not visible from the beach during this survey

Recommended Modifications: none necessary under current conditions

Observed Modifications: cutoff fixtures with low-pressure sodium vapor lights were used; due to lower beach elevations during this survey these lights were not visible from the beach

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Island Beach Resort/ Shuckers

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: rope lights on east side of Shuckers

Current Problem Code: 1 2 3 4 5 OFF

Comments: apparently turned off or removed

Recommended Modifications: none necessary under current conditions

Observed Modifications: not visible from beach during this evaluation; they may have been turned off or removed

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two wall-mounted floodlights on north side of Shuckers (one in the middle and one at the east end of the building)

Current Problem Code: 1 2 3 4 5 OFF

Comments: not visible from the beach during this survey

Recommended Modifications: none necessary under current conditions

Observed Modifications: may have been turned off or shielded but likely are not visible due to lower beach elevation

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Island Beach Resort/ Shuckers

4) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two spotlights (during previous survey, one shining up on each of two palm trees east of Island Beach Resort)

Current Problem Code: 1 2 3 4 5 OFF

Comments: apparently turned off or removed

Recommended Modifications: none necessary if remain turned off

Observed Modifications: apparently off or removed

Additional Modifications Required: YES NO

5) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: The Princess

Address: 9650 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: The Empress

Address: 9600 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Bright interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH WML CL AL WKL OTHER

Location: fixtures in pool area

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: all lights are technically in compliance, however, there is some light reflected from fixture shields and off the south side of the building; the potential for this reflected light to impact sea turtles would be reduced if the light intensity were reduced

Observed Modifications: all these fixtures have been shielded

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: The Empress

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: in parking lot west of the north end of The Empress

Current Problem Code: 1 2 3 4 5 OFF

Comments: adequately shielded from beach

Recommended Modifications: none necessary

Observed Modifications: cutoff fixture and shields were used

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Islandia I

Address: 9550 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Islandia II

Address: 9500 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Ocean Towers

Address: 9400 and 9490 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: arm-mounted drop-lens cobrahead fixtures in parking lot west of Ocean Towers
(formerly visible from as far north as 8900 S. Ocean Dr. as well as from east and southeast

Current Problem Code: 1 2 3 4 5 OFF

Comments: adequately shielded

Recommended Modifications: none

Observed Modifications: all of these lights have been adequately shielded

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Ocean Towers

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: on patios/balconies on east side of Ocean Towers; one WML on the first or second floor of south building was on (appears to be second unit from south)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: RE (downlights), S or leave off during sea turtle nesting/hatching season

Observed Modifications: Off during this evaluation

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Island Village

Address: 9401-9439 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: seven cobrahead fixtures within the Island Village complex are visible from the beach from Dollman Park south to Ocean Towers

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE (full cutoff fixtures)

Observed Modifications: Either turned off or not visible due to lower beach elevation and growth of vegetation.

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Island Village

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two pole lights at north end of property (visible from the east-northeast)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary under current condtions

Observed Modifications: these lights are not visible now due to growth of vegetation and lower beach elevation

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Dollman Park Beachside

Address: 9200 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 8900 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: No light sources are directly visible from the beach, however, there is much reflected light from very bright exterior light sources. The potential for this reflected light to impact sea turtles would be reduced if the intensity were reduced and the lights were directed downward.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: south side of house

Current Problem Code: 1 2 3 4 5 OFF

Comments: not visible from the beach during this survey

Recommended Modifications: none necessary under current conditions

Observed Modifications: this light is no longer visible from the beach possibly due to lower beach elevation and/or growth of vegetation

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Island Dunes Oceanside I

Address: 8880 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Island Dunes Oceanside POA

Address: 8880 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two parking lot lights (one northwest of Island Dunes Oceanside I and one south-
southwest of private residence at 8900 S. Ocean Drive)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary

Observed Modifications: cutoff fixtures were used; these lights have been adequately modified
(either turned off or shielded) and are now compliant

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Island Dunes Oceanside II

Address: 8800 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Island Dunes The Admiral

Address: 8750 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML AL WKL OTHER

Location: one on southwest corner of Island Dunes Admiral

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary

Observed Modifications: it appears that this light may have been replaced with a downlight on the south side of the building

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Island Dunes The Admiral

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: three of six ceiling lights on the east side of the first floor (center of the building) were previously visible from the beach

Current Problem Code: 1 2 3 4 5 OFF

Comments: these appear to be recessed downlights

Recommended Modifications: none necessary as long as they remain off

Observed Modifications: downlights were used and they were turned off

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: cutoff fixture northwest of condo building; previously visible from northeast

Current Problem Code: 1 2 3 4 5 OFF

Comments: this light was not observed during this survey

Recommended Modifications: none necessary under current conditions

Observed Modifications: this light may no longer be visible from the beach due to lower beach elevation

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Island Dunes Regency

Address: 8650 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: of the two parking lot lights at the south end of the parking lot, the eastern one is adequately shielded/painted but the western one is Code 5

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or paint fixture so light does not project toward the beach

Under current conditions, the light is barely visible due to growth of vegetation

Observed Modifications: one of these lights has been adequately shielded/painted,

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Island Dunes Regency II

Address: 8600 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Normandy Beach Access

Address: 8600 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 8601 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence in Diamond Sands

Address: 8316 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence in Diamond Sands

Address: 8232 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence in Diamond Sands

Address: 8224 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence in Diamond Sands

Address: 8104 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence in Diamond Sands

Address: 8004 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Sand Dollar Villas

Address: 7400-7440 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights from Building B and Building C are visible from the beach .

It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: between Sand Dollar Villas Condos A and B, B and C, and C and D and west of Condo D

Current Problem Code: 1 2 3 4 5 OFF

Comments: these lights were not visible from the beach during this survey

Recommended Modifications: none necessary under current conditions

Observed Modifications: the fixtures appear to be cutoff fixtures; apparently these lights are no longer visible from the beach due to lower beach elevation

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Sand Dollar Villas

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: On balcony of Building B (two floors below top floor, approximately third unit from the south)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE (downlights) and RI

Observed Modifications: Off during this evaluation

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: parking light west of condo D

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Dune Walk by the Ocean (aka Sand Dollar North)

Address: 7370 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: 2 Lamp parking light west of the southern building

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: FPL St. Lucie Power Plant

Address: 6451 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/9/15 – 4/10/15, 2118-0129

Observer: J.C. Scarola

General Comments: beach elevation is low

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 5040 Watersong Way

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: Rope lights around porch

Current Problem Code: 1 2 3 4 5 OFF

Comments: Christmas Lights

Recommended Modifications: Turn off

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 5032 Watersong Way

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 5024 Watersong Way

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 4933 Watersong Way

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 4932 Watersong Way

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 4917 Watersong Way

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 4900 Watersong Way

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 4884 Watersong Way

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 4844 Watersong Way

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 4833 Watersong Way

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 4808 Watersong Way

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 4800 Watersong Way

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 4580 S. Ocean Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two lights (one mounted on each column on either side of the gated entrance west of the house)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary if lights remain off

Observed Modifications: these lights were off during this survey; no additional modifications are necessary if these lights remain off during the sea turtle nesting/hatching season

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: 4580 S. Ocean Dr.

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: three wall-mounted lights above the garage doors on the south side of the house

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary if lights remain off

Observed Modifications: these lights were off during this survey; no additional modifications are necessary if these lights remain off during the sea turtle nesting/hatching season

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 3712 Anacostia Place

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15, 0204-0224

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: Very dim lights on either side of walkway

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: Not necessarily a problem under these condition, if it becomes a problem, turn off.

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 2302 Tamarind Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 2316 Tamarind Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 2320 Tamarind Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Aquanique Ocean Club

Address: 2700 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Barclay

Address: 2800 N. A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Bright interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: one on balcony on northwest corner of building (third or fourth floor)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE (downlight)

Observed Modifications: Off during this evaluation

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Barclay

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: Rope lights on 1st floor, southeast side of building around window

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: Not necessarily a problem under current conditions, turn off if it becomes a problem

Observed Modifications: None

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Atrium on the Ocean

Address: 2900 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Very bright interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Atrium on the Ocean II

Address: 3000 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Bright interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Sands on the Ocean

Address: 3100 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Bright interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: pole-top fixtures at the south end of the property

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE (cutoff fixtures)

Observed Modifications: adequately shielded and vegetation growth may have blocked some of the lights

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Sands on the Ocean

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two lights (one on top floor, middle of building and one on 6th floor from the top, middle of building)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE

Observed Modifications: None

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Tiara Towers

Address: 3120 and 3150 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: pole light on north side of building

Current Problem Code: 1 2 3 4 5 OFF

Comments: light coming through shield, a lot of reflection coming from pole lights as well

Recommended Modifications: Fix shielding or reposition light

Observed Modifications: Shielded but needs to be fixed

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Sea Palms

Address: 3200 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Very bright interior lights in two units are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: drop-lens cobrahead fixture at southwest corner of property

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE (cutoff fixture), allow vegetation to grow

Observed Modifications: none

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Sea Palms

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: rope lights on balcony, east side of building, one floor below top floor, south of center of east side

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: EL or leave off during sea turtle nesting/hatching season

Observed Modifications: Off during this evaluation

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two lights south west of building

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: National Navy UDT-Seal Museum

Address: 3300 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Pepper Park Beachside

Address: 3302 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Small amount of light from tennis courts. Light Source not seen through
vegetation.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Grand Isle

Address: 3702 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: Top of Roof near exit door

Current Problem Code: 1 2 3 4 5 OFF

Comments: visible from the south

Recommended Modifications: Only visible from a long distance from the south, S or RE if it becomes a problem

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Hibiscus by the Sea

Address: 3870 and 3880 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: carriage style fixture on balcony, top floor of south building

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary it remains off during sea turtle nesting/hatching season

Observed Modifications: this light was off during this survey; no additional modifications are necessary if this light remains off during the sea turtle nesting/hatching season.

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Ocean Pearl

Address: 3920 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Bright interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: one bright wall-mounted light on roof

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary if light remains off

Observed Modifications: off

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Visions of North Hutchinson Island

Address: 4000 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Treasure Cove Dunes

Address: 4100 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: attached to a utility pole west of the condo buildings and near the entrance gates

Current Problem Code: 1 2 3 4 5 OFF

Comments: visible between the Treasure Cove buildings

Recommended Modifications: S

Observed Modifications: Turned off or not observed during this evaluation

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Coldwell Banker Ed Schlitt Realtors

Address: 4007 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: one drop-lens cobrahead fixture on west side of A1A at Regal Rd. (west of north
end of Treasure Cove Dunes)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE (cutoff)

Observed Modifications: Turned off or not observed during this evaluation

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Oceanique

Address: 4160 and 4180 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Bright interior lights in both buildings are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two pole lights south of south building

Current Problem Code: 1 2 3 4 5 OFF

Comments: only observed one during this evaluation, other may have been covered by vegetation

Recommended Modifications: S or RE (downlight)

Observed Modifications: none

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Ocean Harbour South

Address: 4200 and 4250 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Altamira

Address: 4310 and 4330 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two unidentified lights (one on north side and one on south side of the building between the two condominium buildings)

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE

Observed Modifications: None

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Altamira

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: 6 lights on walkover (unsure of location), 3 on north end and 3 on south end

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: Turn Off

Observed Modifications: None

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Paragon

Address: 4400 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: rope lights on one palm southeast of condo building

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary if off during sea turtle nesting/hatching season

Observed Modifications: either off or removed

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Private Residence

Address: 4600 N A1A (property appraiser) / 4640 N A1A (google maps)

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: In driveway of house on east side on entrance

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Breakers Landing

Address: 4949 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Atlantic View

Address: 5047 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: wall-mounted light on balcony at southwest corner of building, 14 floors below the top floor

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary as long as it remains off

Observed Modifications: off

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Seabreeze at Atlantic View

Address: 5049 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Bright interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Seaward at Atlantic View

Address: 5051 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: east side of building just north of center, one or two floors below top floor

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE (downlight) and RI

Observed Modifications: Off during this evaluation

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Bryn Mawr Ocean Towers

Address: 5055, 5059 and 5061 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights in the two eastern condo buildings are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: western most building, lights on wall next to elevator on every floor

Current Problem Code: 1 2 3 4 5 OFF

Comments: seen from far distance, all other lights are in compliance but these

Recommended Modifications: S or RE if it becomes a problem, but under current conditions it should not be a problem

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Ocean Resorts Co-op

Address: 5101 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: two spotlights possibly in pool area or south of pool

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary as long as remains off

Observed Modifications: off

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Ocean Resorts Co-op

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: cutoff fixture on pole on west side of A1A, immediately south of Angelfish Dr.

Current Problem Code: 1 2 3 4 5 OFF

Comments: only visible through a small gap in vegetation from a considerable distance

Recommended Modifications: none necessary under current conditions

Observed Modifications: a cutoff fixture was used; vegetation has grown and almost completely shielded this light from the beach

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: three globe lights, one south of Angelfish Dr. and two north of Angelfish Dr.

Current Problem Code: 1 2 3 4 5 OFF

Comments: visible through vegetation

Recommended Modifications: S or RE

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Ocean Harbour North Condo A

Address: 5151 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: A few interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Ocean Harbour North Condo B

Address: 5159 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: globe light on balcony

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary if leave off during the sea turtle nesting/hatching season

Observed Modifications: this light was off during this survey; no additional modifications are necessary if this light remains off throughout the sea turtle nesting/hatching season

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Ocean Harbour North Condo C

Address: 5155 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Ocean Harbour North Condo D

Address: 5151 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Ocean Harbour North Condo E

Address: 5167 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Private Residence

Address: 6408 Ocean Estates Dr.

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window

Coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: northwest corner of the house

Current Problem Code: 1 2 3 4 5 OFF

Comments: visible from the north

Recommended Modifications: S or RE

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Avalon State Park

Address: N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: Avalon Beach

Address: N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: wall-mounted and ceiling-mounted fixtures on entrance on east side of A1A

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary under current conditions

Observed Modifications: these lights have apparently been shielded or repositioned so they are
no longer visible from the beach

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: Avalon Beach

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: wall-mounted and ceiling-mounted fixtures along wall and on entrance on west side of A1A; only the two wall-mounted fixtures on either side of the "guard building" are visible

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary under current conditions

Observed Modifications: adequately shielded

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: very bright pole light southwest of entrance on east side of A1A

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S or RE

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 6520 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 6722 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: Interior lights are visible from the beach. It is recommended that window coverings be closed at night during the sea turtle nesting/hatching season.

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: wall-mounted lights on east side of first floor

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary if these lights remain off

Observed Modifications: off

Additional Modifications Required: YES NO

St. Lucie County Lighting Evaluation Facility Report (Continued)

Property/Facility: 6722 N A1A

2) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: ceiling-mounted downlights on east side of house above second floor; light is reflected off of the interior of the fixture toward the beach

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: none necessary if these lights remain off

Observed Modifications: downlights were used; off

Additional Modifications Required: YES NO

3) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: Wall mounted light on northeast side of building, only visible from the north

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S

Observed Modifications: None

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 6740 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: _____

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: _____

Observed Modifications: _____

Additional Modifications Required: YES NO

**St. Lucie County Lighting Evaluation
Facility Report**

Property/Facility: private residence

Address: 6760 N A1A

Type of Observation: First Nighttime

Date/Time of Observation: 4/10/15 - 4/11/15, 2047-1204

Observer: J.C. Scarola

General Comments: _____

Exterior Lights Visible From The Beach: YES NO

1) Type: STL PKL FLH PL WML CL AL WKL OTHER

Location: cobrahead fixture at west end of property

Current Problem Code: 1 2 3 4 5 OFF

Comments: _____

Recommended Modifications: S

Observed Modifications: there may have been changes to vegetation that made this light visible
from the beach

Additional Modifications Required: YES NO

APPENDIX B
BEACHFRONT LIGHTING EVALUATION CODES

BEACHFRONT LIGHTING EVALUATION CODES

LIGHTING TYPE:

- STL:** Streetlights on roadways and drives; generally high intensity lights mounted on poles
- PKL:** Lights illuminating parking lots; generally high intensity lights mounted on poles
- FLH:** Flood lights and spot lights; generally used to illuminate recreational areas, parking lots, and site grounds for security purposes
- PL:** Lights other than streetlights or parking lot lights mounted on poles; high or low intensity lights generally used for illuminating common facility grounds, areas of pedestrian traffic and recreational facilities
- WML:** Wall mounted lights; generally low intensity lights used for illuminating areas adjacent to living quarters (e.g., porches, balconies, and decks) and pedestrian walkways (e.g., halls, stairwells, etc.)
- CL:** Ceiling mounted lights; generally low intensity lights used for illuminating areas adjacent to living quarters (e.g., porches, balconies, and decks) and pedestrian walkways (e.g., halls, stairwells, etc.)
- AL:** Accent lighting; generally high intensity flood or spot lights, often mounted on or near the ground, used for illuminating facility structures, landscaping and signs.
- WKL:** Lights used for illuminating pedestrian walkways; generally low profile, low intensity lights mounted on or adjacent to sidewalks, boardwalks and dune crossovers

PROBLEM CODE:

- 1: Light intensity appears high from beach. The lamp or reflective surface is visible over a large area of beach and/or causes illumination of large sections of beach.
- 2: Light intensity appears high from beach. The lamp or reflective surface is visible over a small area of beach and/or causes illumination of small sections of beach.
- 3: Light intensity appears moderate from beach. The lamp or reflective surface is visible over a large area of beach and/or causes illumination of large sections of beach.
- 4: Light intensity appears moderate from beach. The lamp or reflective surface is visible over a small area of beach and/or causes illumination of small sections of beach.
- 5: The lamp or reflective surface is visible from the beach, however, the intensity appears low, and there is no apparent illumination of the beach.

BEACHFRONT LIGHTING EVALUATION CODES
(Continued)

RECOMMENDED MODIFICATIONS:

- EL:** Permanently eliminate fixture or render inoperative
- RE:** Replace with modern alternative, such as recessed opaque fixture or directional fixture
- RH:** Reduce mounting height of fixture
- RI:** Reduce intensity of light source
- RP:** Relocate or reposition
- S:** Attach 180° shield to fixture so light source is not directly visible from beach