



**Mercury-Containing Lamp and Device  
Mercury Recovery and  
Mercury Reclamation Facility  
Permit Application**

**Veolia ES Technical Solutions, L.L.C.  
342 Marpan Lane  
Tallahassee, FL 32305  
EPA ID#: FL0000207449**

March 2016  
Revised June 2016

## TABLE OF CONTENTS

### CONTENTS

#### Mercury-Containing Lamp and Device Mercury Recovery and Mercury Reclamation Facility Permit Application

### TITLE

### ATTACHMENT

Site Plans and Maps	B-3
Figure 1	Site Plan
Figure 2	Floor Plan, Mercury Recovery and Reclamation Facility
Figure 3	Floor Plan, South Building
Figure 4	Industrial Park Site Plan
Figure 5	Industrial Park Aerial Photograph
Figure 6	Area Map with Natural Features
Figure 7	Stormwater Flow Map
Figure 8	Emission Points
Figure 9	Topographic Map
Figure 10	Zoning Map
Brief Description of Operations, Nature of Business	D-2
Daily Design Capacities and Annual Quantities	D-3
Maximum On-site Storage	D-4
Operations Plan	D-5
Figure 5.1	Lamp Process Flow
Figure 5.2	HID Lamp Process Flow
Figure 5.3	Lamp Process Air Emission Controls
Figure 5.4	Retort Process Air Emission Controls
Figure 5.5	Facility Floor Plan with Storage Area Configuration
Figure 5.6	Lamp Room Floor Plan
Figure 5.7	Side View Aluminum End Cap System
Figure 5.8	Top View Aluminum End Cap System
Figure 5.9	HID Area Floor Plan
Figure 5.10	Retort Area Floor Plan
Figure 5.11	Sample Non-hazardous Waste Label
Figure 5.12	Sample Hazardous Waste Label
Figure 5.13	Sample Universal Waste Label
Figure 5.14	Sample Mercury Label
Appendix D-5-I	Sample Approval and Receiving Forms
Appendix D-5-II	Emission Control Equipment Information

Contingency Plan	D-6
Figure 6.1    Site Plan	
Figure 6.2    Evacuation Routes 342 Marpan Lane	
Figure 6.3    Evacuation Routes South Building	
Appendix D-6-I    Safety Data Sheets	
Worker Health and Safety Plan	D-7
Figure 7.1    Air Sampling Points	
Appendix D-7-I    Employee Training Documents	
Appendix D-7-II    Job Safety Assessments	
Appendix D-7-III    Respiratory Protection Plan	
Quality Control Plan	D-8
Appendix D-8-I    Sampling Records	
Appendix D-8-II    Quality Control Manual	
Closure Plan	D-9
Appendix D-9-I    Financial Assurance for Closure	
Certificate of Insurance	D-10
Destination Facilities	D-11
Inspection Plan	D-12
Appendix D-12-I    Inspection Forms	

## RECORD OF REVISIONS

Date	Section	Pages	Revision
6/27/2016	Table of Contents	i-iv	Updated list of figures and added record of revisions
6/27/2016	Application 737-2	11	Updated to reflect type of application and revision number
6/27/2016	Application 737-2	12	Reformatted to fully display all fields
6/27/2016	Application 737-2	23 – Revision 1	PE Certification for updated information
6/27/2016	Site Information	Figure 1 Site Plan	Updated to include satellite accumulation area
6/27/2016	Site Information	Figure 2 Floor Plan	Updated to include satellite accumulation area
6/27/2016	Site Information	Figure 5 Aerial Map	Updated to show scale and date
6/27/2016	Site Information	Figure 6 Natural Features	Updated to show scale and date
6/27/2016	Site Information	Figure 7 Stormwater Flow Map	Updated to include satellite accumulation area
6/27/2016	Site Information	Figure 8 Emission Points	Updated to include satellite accumulation area
6/27/2016	Site Information	Figure 9 Topographic Map	New map showing surrounding area at proper scale
6/27/2016	Site Information	Figure 10 Zoning Map	New map showing surrounding land use at proper scale
6/27/2016	Attachment D-5 Operations Plan	7-14	Updated to maintain consistency with Attachment D-8 Quality Control Plan
6/27/2016	Attachment D-5 Operations Plan	16-17	Updated to clarify nature of material processed and location of operations
6/27/2016	Attachment D-5 Operations Plan	28-30	Updated to clarify the amount of material in storage based on pallet spaces
6/27/2016	Attachment D-5 Operations Plan	Figure 5.5	Updated to reflect proper configuration for Storage Area #4
6/27/2016	Attachment D-5 Operations Plan	Appendix D-5-II	Updated to include Mercury Vapor Monitoring Form
6/27/2016	Attachment D-6 Contingency Plan	Figure 6.3	Updated figure to show location of fire extinguishers

6/27/2016	Attachment D-8 Quality Control Plan	1	Updated to reference Attachment D-5 as opposed to Section 4
6/27/2016	Attachment D-8 Quality Control Plan	1-7	Updated to maintain consistency with Attachment D-5 Operations Plan
6/27/2016	Attachment D-8 Quality Control Plan	10	Updated to reflect proper concentration range for crushed arc tubes from HID lamps
6/27/2016	Attachment D-9 Closure Plan	Table 9.3, pages 8-12	Updated closure cost estimates
6/27/2016	Attachment D-12 Inspection Plan	Form 12-2, Weekly Facility Inspection	Updated to include a space to note the number of pallets spaces occupied in each storage area