LCH Radio Communications Link Repeater (RCLR)

5656 River Road

Lake Charles, Louisiana 70615

Phase I Environmental Due Diligence Audit

Prepared For:

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LIST OF ACRONYMS AND ABBREVIATIONS

ACM	Asbestos Containing Material
AST	Aboveground Storage Tank
ASTM	ASTM International (formerly American Society for Testing and Materials)
ATSS	Airway Transportation Systems Specialist
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS	RCRA Corrective Action Sites
CSA	Central Service Area
EDDA	Environmental Due Diligence Audit
EDR	Environmental Data Resources, Inc.
EG	Engine Generator
EOSH	Environmental Occupational Safety and Health
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
HMIRS	Hazardous Materials Incident Report System
IEMA	Illinois Emergency Management Agency
LBP	Lead Based Paint
LCH	Site Identifier
LDEQ	Louisiana Department of Environmental Quality
LTANK	Leaking Tanks
LUST	Leaking Underground Storage Tank
MLTS	Material Licensing Tracking System
NFR/NFA	No Further Remediation / No Further Action
NISC III	National Airspace System Implementation Support Contract
NPL	National Priorities List
NWI	National Wetland Inventory
PACM	Presumed Asbestos Containing Material
PCB	Polychlorinated Biphenyl
pCi/L	picoCuries/Liter
PIM	Program Implementation Manager
RCLR	Radio Communications Link Repeater
RCRA	Resource Conservation and Recovery Act
RCRAInfo	RCRA Information System
RECO	Real Estate Contracting Officer
RML	Radar Microwave Link
SFHAs	Special Flood Hazard Areas
SHWS	State Hazardous Waste Site
SSC	System Support Center

TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage, and Disposal
USGS	U.S. Geological Survey
UST	Underground Storage Tank

1.0 SUMMARY

Lockheed Martin (NISC III), in support of the Federal Aviation Administration (FAA), presents this Phase I Environmental Due Diligence Audit (EDDA) report for the former LCH Radio Communications Link Repeater (RCLR) located at 5656 River Road in Lake Charles, Louisiana 70615. The former LCH RCLR has been decommissioned and is located on a 4.14 acre parcel of land. This parcel and any buildings, structures, and improvements on the parcel are hereafter referred to as the "Subject Property" for the purposes of this report. The parcel of land is owned by The United States of America and used by the FAA.

Records were obtained from various agencies to gather historical information and documentation pertaining to potential environmental liabilities associated with the subject and surrounding properties. A database search of federal and state environmental records was performed to determine if neighboring or adjacent properties have the potential to adversely affect the Subject Property.

Details of the findings associated with the Subject Property are provided in Section 8.0 of this report. This Phase I EDDA has revealed no recognized environmental conditions (as defined by ASTM Standard E1527-13) in connection with the Subject Property.

2.0 INTRODUCTION

The Subject Property has been decommissioned and is excess real property. This Phase I EDDA was requested to facilitate a sale of the Subject Property and sale of FAA assets (building, antenna tower, etc.) currently located at the Subject Property.

2.1 Purpose

This serves as documentation of a Phase I EDDA for the Subject Property. The purpose of this Phase I EDDA is to identify, to the extent feasible and subject to the limitations discussed in this report, recognized environmental conditions and historical recognized environmental conditions related to the Subject Property. According to ASTM E1527-13, the term "recognized environmental conditions" is defined as follows:

> *the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.*

The purpose of this audit is to assist the FAA in exercising due diligence by evaluating potential environmental liabilities associated with the Subject Property. This was performed in accordance with and within the guidelines set forth in FAA Order 1050.19B, Environmental Due Diligence Audits in the Conduct of FAA Real Property Transactions and ASTM E1527-13 Standard Practice for Environmental Site

Assessments: Phase I Environmental Site Assessment Process.

2.2 Detailed Scope of Services

A detailed site inspection was conducted on February 5, 2015. The inspection consisted of a visual survey of all property grounds, and immediate surrounding areas to identify recognized environmental conditions. The purpose of the site inspection was to identify areas such as manufacturing and process areas; chemical storage areas; waste storage areas; suspected disposal areas; subsurface structures (such as drains, sumps, septic systems, and tanks); fuel storage areas; electrical equipment which may contain polychlorinated biphenyls (PCBs); evidence of historical uses; and evidence of spills or potential releases of hazardous substances (such as stressed vegetation and soil staining). Records were obtained from various agencies to gather historical information and documentation pertaining to potential environmental liabilities associated with the Subject Property and surrounding properties. A database search of federal and state environmental records was performed to determine if neighboring or adjacent properties have the potential to adversely affect the Subject Property.

2.3 Significant Assumptions

There are no significant assumptions associated with this Phase I EDDA.

2.4 Limitations and Exceptions

This Phase I EDDA was performed in accordance with the ASTM Standard E1527-13 and FAA Order 1050.19B. The methodologies contained in these standards and orders include, among other things, interviews with individuals familiar with the Subject Property, site reconnaissance, and historical records review. Information obtained during the interviews and site reconnaissance was recorded and reviewed before it was included in this Phase I EDDA report. All information that was obtained during the site investigation and subsequently included within this Phase I EDDA is assumed to be reliable. Not all such information, however, is susceptible to independent verification. Data from additional government databases was obtained and reviewed using accepted industry standards and practices. The conclusions summarized herein are based on the limited observations and review described within this submittal at the time the Phase I EDDA was conducted. Future events at the Subject Property or the surrounding properties may alter these findings.

Performing a Phase I EDDA in accordance with ASTM Standard E1527-13 and FAA Order 1050.19B is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and both practices recognize reasonable limits of time and cost.

2.5 Special Terms and Conditions

The environmental professional is not aware of any special terms or conditions.

2.6 User Reliance

The environmental professional is not aware of any user reliance issues.

3.0 SITE DESCRIPTION

The former LCH RCLR has been decommissioned and is located on a 4.14 acre parcel of land approximately 465 feet by 465 feet. The Subject Property is located at 5656 River Road in Lake Charles, Louisiana. The site is relatively flat. The Subject Property is immediately surrounded by rural residential, wooded and open areas.

Site aerials of the subject and immediate adjoining properties are provided in Section 16.4.2. Additionally, a site plan is provided in Section 16.2.

3.1 Location and Legal Description

Location:

	Decimal	Degrees
Latitude (North):	30.2985	30^0 17' 54.60"N
Longitude (West):	93.1103	93^0 6' 37.08"W
Elevation:	13 ft. above sea level	

Legal Description:

Commencing at the Southwest corner of the West half of the Southeast Quarter of the Northwest Quarter (W/2 of SE/4 of NW/4) of Section 5, Township 9 South, Range 7 West, Calcasieu Parish Louisiana, thence South 1 degree 38 minutes East 17.44 feet, thence North 88 degrees 22 minutes East 465.0 feet, thence North 1 degree 38 minutes West 465.0 feet, thence South 88 degrees 22 minutes West 262.5 feet to the East line of River Road, thence South 39 degrees 36 minutes 36 seconds West 119.16 feet, along the East line of River Road, thence South 37 degrees 51 minutes 22 seconds West 194.89 feet along the East line of River Road to the West line of the West Half of the Southeast Quarter of the Northwest Quarter (W/2 of SE/4 of NW/4) of said Section 5, thence South 1 degree 38 minutes East 207.56 feet along the West line of the West Half of the Southeast Quarter of the Northwest Quarter (W/2 of SE/4 of NW/4) of said Section 5, to the point of commencement and containing 4.14 acres.

Please see real estate documents in Section 16.4.1.

3.2 Site and Vicinity General Characteristics

The vicinity of the Subject Property consists primarily of wooded areas and rural residential.

3.3 Current Use of the Property

The LCH RCLR has been decommissioned and the Subject Property is no longer used by the FAA. The property will be sold as-is. FAA assets (building, antenna tower, etc.) currently located at the Subject Property will be sold.

3.4 Description of Structures, Roads, Other Improvements on the site

Access to the site is from a gravel access drive from River Road. Remaining at the site are an equipment building, antenna tower, fencing, propane aboveground storage tank (AST) and enclosure, and two utility poles (one with an electric meter and disconnect). The propane AST reportedly will be removed prior to property disposition. The fenced area is rectangular in shape, is approximately 35 feet by 85 feet and is gravel covered. Also on the parcel are the antenna tower guy-wire anchors and associated fencing. See Site Plan in Section16.2 and Site Photos in Section 16.3.

3.5 Current Uses of the Adjoining Properties

A review of topographic maps, aerial photographs, site reconnaissance, and interviews revealed that the majority of the areas immediately surrounding the Subject Property are rural residential properties, open fields and wooded areas. The following boxed text describes the areas located north, east, south, and west of the Subject Property.

Neighboring Properties	
North	Property directly north is River Road and rural residential.
East	Property directly east is open field and wooded.
South	Property directly south is open field.
West	Property directly west is River Road and wooded.

4.0 USER PROVIDED INFORMATION

The following sections describe the historical and present ownership of the Subject Property and its previous uses.

4.1 Title Records

The Subject Property is on an approximately 4.14 acre parcel of land. The FAA owns the Subject Property and the title records and related real estate documents are provided in Section 16.4.1.

4.2 Environmental Liens or Activity and Use Limitations

There are no known environmental liens or activity and use limitations associated with the Subject Property.

4.3 Specialized Knowledge

No specialized knowledge or experience that is material to recognized environmental conditions in connection with the Subject Property was communicated by the FAA as part of this EDDA.

4.4 Commonly Known or Reasonably Ascertainable Information

Records were obtained from various agencies to gather historical information and documentation pertaining to potential environmental liabilities associated with the subject and surrounding properties. A database search of federal and state environmental records was performed to determine if neighboring or adjacent properties have the potential to adversely affect the Subject Property.

4.5 Valuation Reduction for Environmental Issues

It is unknown whether the Subject Property values have been reduced due to environmental issues on-site or on adjacent properties.

4.6 Owner, Property Manager, and Occupant Information

The parcel of land is owned by The United States of America and used by the FAA. The Subject Property is managed by FAA personnel at the Lake Charles System Support Center (SSC).

4.7 Reason for Performing Phase I

The FAA requested a Phase I EDDA based on the expectation to sell the Subject Property as-is. Additionally, FAA assets (buildings, antenna tower, etc.) currently located at the Subject Property will be sold.

4.8 Other

Not Applicable.

5.0 RECORDS REVIEW

Records were reviewed from various federal, state, and local agencies to obtain information on potential environmental concerns that could impact the Subject Property. A discussion of the federal, state, and local records review is provided in the following sections. Refer to Section 16.5 for the Environmental Data Resources, Inc. (EDR), Report.

5.1 Standard Environmental Record Sources

Federal and State Records

Based upon the records review and personal interviews, no potential environmental concerns were identified with respect to the Subject Property. The findings from the information reviewed for this EDDA include the following:

- No documented releases at Subject Property
- No hazardous waste generators on the Subject Property

The databases listed below were among those searched by EDR for this EDDA. Detailed information contained in these databases and a complete list of all databases searched is included in the EDR Report in Section 16.5.

Database Search	Results
AST – Aboveground Storage Tanks	None
Brownfield Sites	None
CAT – Cleanup Started and/or Completed Sites	None
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act	None
CERCLIS – Comprehensive Environmental Response, Compensation, and Liability Information System	None
CORRACTS – RCRA Corrective Action Sites	None
ENG CONTROLS – Engineering Controls	None
FINDS – Facility Index Systems	None
FUDS – Formerly Used Defense Sites	None
HMIRS – Hazardous Materials Incident Report System	None
INST CONTROL – Institutional Controls (Legal or Administrative Restrictions)	None
LUST – Leaking Underground Fuel Storage Tanks	None
Mining, Oil and Gas Operations	None
MLTS – Material Licensing Tracking System	None
NFRAP – No Further Remedial Action Planned	None
NPL – National Priorities List	None
RCRA – Resource Conservation and Recovery Act - Generators of hazardous waste	None
RCRA Non-Generators of hazardous waste / No Longer Regulated	None

Database Search	Results
SHWS – State Hazardous Waste Sites (SHWS)	None
Solid Waste and Recycling Facilities (SWRCY)	None
TRIS – Toxic Chemical Release Inventory System	None
TSCA – Toxic Substances Control Act	None
TSD – Treatment, Storage, and Disposal	None
UST – Underground Storage Tank	None
VCP – State Voluntary Cleanup Program Sites	None

Orphan Sites:
There was one listing for orphan sites in the EDR Report. The location of this site was not mapped due to poor or inadequate address information. With further research the location and condition of the site was determined. The site is a marine debris site and is more than four miles from the Subject Property. Due to the proximity and status of the listed orphan site, it is determined it does not present a risk to the Subject Property.

5.2 Additional Environmental Record Sources

Local Records

Lockheed Martin (NISC III) reviewed pertinent local files and conducted interviews with FAA personnel. Other information was compiled using Internet sources as described in this section.

National Wetlands Inventory and Flood Insurance Rate Maps

A wetlands map was obtained from the National Wetlands Inventory (NWI) website (http://www.fws.gov/wetlands/). Refer to Section 16.4.4 for the NWI map. A review of the NWI Map indicates that wetlands are not located on the Subject Property. The nearest is a freshwater forested/shrub wetland approximately 0.2 miles southeast of the Subject Property.

The Flood Insurance Rate Map (FIRM) was obtained from the Federal Emergency Management Agency (FEMA) website (https://msc.fema.gov/). Refer to Section 16.4.5 for the FIRM. According to the map (22019C0340F dated February 18, 2011), the Subject Property lies within Zone A, which are Special Flood Hazard Areas (SFHAs) subject to inundation by the 1% annual chance flood with no base flood elevations determined.

A review of information provided in the Natural Resource Conservation Web Soil Survey website (http://websoilsurvey.nrcs.usda.gov/), indicate the soils for the Subject Property consist primarily of silt loam soils. Section 5.4 of this report provides a more detailed discussion on the soils of the Subject Property.

5.3 Physical Setting Source(s)

The Subject Property and the surrounding area are relatively flat. The surrounding property consists of rural residential properties, open and wooded areas. Elevations in the vicinity of the Subject Property range from 5 to 20 feet above sea level.

See Section 16.4.3 for Historical Topographical Maps and 16.3 for Site Photos.

5.4 Historical Use Information on the Property

Based on historical information the location of the Subject Property had been agricultural use. This use continued until sometime between 1971 and 1985 when the site was developed and reportedly used as a microwave link site for the telecommunications industry. In 1989 the FAA acquired the site and assets and began use of the site. Details regarding the specific use were unavailable however the site was likely used by the FAA as a Radar Microwave Link (RML) site. This use continued until 1993 when the site began use as an RCLR site. The LCH RCLR equipment was commissioned on September 30, 1993. This use continued until being decommissioned on July 16, 2014. The RCLR communications equipment has since been removed. Remaining at the site are the structures and improvements as described in Section 3.4.

Topographic Map Review

As a part of the investigation of the Subject Property, the U.S. Geological Survey (USGS) topographic maps for 1935, 1956, 1971, and 1994 were obtained from EDR. Copies of the topographic maps are provided in Section 16.4.3.

Topographic	Topographic Map Direction and Description	
Map Year	**Direction**	**Description**
1935	Subject Property	Subject Property is relatively flat. No indication of development.
	North	Area directly north is relatively flat and shows development of State Highway No 388 (future River Road). Further north is relatively flat and shows development of a single structure across highway and shows swampy areas along river.
	East	Area directly and further east is relatively flat and further east shows sparse development along roadways.
	South	Area directly and further south is relatively flat and shows development further south along roadways.
	West	Area directly west is relatively flat and shows development of State Highway No 388 (future River Road). Further west is relatively flat and shows development of a single structure across highway and shows swampy areas along river.

Topographic	Topographic Map Direction and Description	
Map Year	**Direction**	**Description**
1956	Subject Property	Subject Property is relatively flat. No indication of development.
	North	Area directly north is relatively flat and shows no additional development. Further north is relatively flat and shows development of additional structures across highway.
	East	Area directly and further east is relatively flat and further east shows additional development along roadways.
	South	Area directly and further south is relatively flat and shows development further south of gas wells.
	West	Area directly west is relatively flat and shows no additional development. Further west is relatively flat and shows development of additional structures across highway.
1971	Subject Property	Subject Property is relatively flat. No indication of development.
	North	Area directly north is relatively flat and shows no additional development. Further north is relatively flat and shows development of a pipeline.
	East	Area directly and further east is relatively flat and further east shows a residential development and development of pipelines.
	South	Area directly and further south is relatively flat and shows development further south of pipelines.
	West	Area directly west is relatively flat and shows no additional development. Further west is relatively flat and shows development of additional structures across highway and along river.
1994	Subject Property	Subject Property is relatively flat. No indication of development.
	North	Area directly north is relatively flat and shows development of a structure (residential). Further north/northeast is relatively flat and shows a residential development.
	East	Area directly and further east is relatively flat and further east/southeast shows additional residential development.
	South	Area directly and further south is relatively flat and shows additional residential development.
	West	Area directly and further west is relatively flat and shows no additional development.

Aerial Photography

As a part of the investigation of the Subject Property, historical aerial photographs were obtained from EDR for the years 1967, 1971, 1985, 1994, 1998, 2005, and 2010. These aerial photographs of the Subject Property were reviewed to determine the historical land use of the Subject Property and the surrounding areas. A discussion of the information extracted from the aerial photographs is provided in the following table. Refer to Section 16.4.2 for reproductions of the aerial photographs.

Aerial Photo	Aerial Photograph Direction and Description	
Year	**Direction**	**Description**
1967	Subject Property	Subject Property is not developed and appears agricultural use.
	North	Directly north is River Road. Further north are wooded areas. Further to the northeast appears agricultural use and rural residential.
	East	Directly and further east appears agricultural use and wooded areas to the southeast.
	South	Directly and further south appears agricultural use and wooded areas to the southwest.
	West	Directly west is River Road. Further west is wooded.
1971	Subject Property	Subject Property is not developed and appears agricultural use.
	North	Directly north appears unchanged from 1967. Further north shows additional rural residential development.
	East	Directly and further east appear unchanged from 1967.
	South	Directly and further south appear unchanged from 1967.
	West	Directly west appears unchanged from 1967. Further west/southwest shows rural residential development and development related to the oil and gas industry.
1985	Subject Property	Subject Property is developed and is being used as a microwave link for telecommunications industry.
	North	Directly and further north appear unchanged from 1971.
	East	Directly and further east appear unchanged from 1971.
	South	Directly and further south appear unchanged from 1971.
	West	Directly and further west appear unchanged from 1971.

Aerial Photo	Aerial Photograph Direction and Description	
Year	**Direction**	**Description**
1994	Subject Property	Subject Property is developed and as of September 1993 is operating as the LCH RCLR site. The site is mostly wooded.
	North	Directly north shows development of a rural residence. Further north/northeast shows additional rural residential development.
	East	Directly east appears unchanged from 1985. Further east shows rural residential development.
	South	Directly and further south appear unchanged from 1985.
	West	Directly and further west appear unchanged from 1985.
1998	Subject Property	Subject Property is developed. Equipment building, antenna tower and guy wire anchors, and access drive are evident. The site is mostly wooded.
	North	Directly north appears unchanged from 1994. Further north shows additional rural residential development.
	East	Directly east appears unchanged from 1994. Further east shows additional rural residential development.
	South	Directly and further south appear unchanged from 1994.
	West	Directly and further west appear unchanged from 1994.
2005	Subject Property	Subject Property is developed and appears unchanged from 1998.
	North	Directly north appears unchanged from 1998. Further north shows additional rural residential development. To the northeast shows development related to the oil and gas industry.
	East	Directly and further east appear unchanged from 1998.
	South	Directly and further south appear unchanged from 1998.
	West	Directly and further west appear unchanged from 1998.
2010	Subject Property	Subject Property is developed and appears unchanged from 2005.
	North	Directly north appears unchanged from 2005. Further north shows additional rural residential development.
	East	Directly and further east appear unchanged from 2005.
	South	Directly and further south appear unchanged from 2005.
	West	Directly west appears unchanged from 2005. Further west/southwest shows removal of the previously identified development related to the oil and gas industry.

Soil Survey Review

The LCH RCLR is located on the following soils:

- Soil Component Name: Kinder
- Soil Surface Texture: silt loam
- Hydrologic Group: Class C – Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
- Soil Drainage Class: Poorly drained.
- Hydric Status: Partially hydric.
- Corrosion Potential - Uncoated Steel: High
- Depth to Water table Min: > 31 inches
- Depth to Bedrock Min: > 0 inches

See EDR Radius Report, Physical Setting Summary, for complete soil survey report.

5.5 Historical Use Information on Adjoining Properties

Adjoining properties historically have been wooded and agricultural use. More recently the adjoining properties have been rural residential, wooded and open areas.

6.0 SITE RECONNAISSANCE

On February 5, 2015, Lockheed Martin (NISC III) conducted a site inspection of the Subject Property and adjacent properties to determine their environmental condition. See Section 16.3 to review the site inspection photographs. The following sections are based on observations made by Lockheed Martin (NISC III) during the site inspection.

6.1 Methodology and Limiting Conditions

Lockheed Martin (NISC III) contacted Mr. Dennis Creech, Lake Charles SSC Airway Transportation System Specialist (ATSS), to verify the removal of all limiting conditions and to schedule the site inspection. As the Subject Property is secured, Mr. Creech provided escort for the site inspection.

6.2 General Site Setting

The Subject Property is located in an area of rural residential, wooded and open areas.

6.3 External Observations

Remaining at the site are an equipment building, propane AST and enclosure, antenna tower, fencing and two utility poles (one pole with an electric meter and disconnect). The propane AST reportedly will be removed prior to property disposition. The fenced

area is rectangular in shape, is approximately 35 feet by 85 feet and is gravel covered. Also on the parcel are the antenna tower guy-wire anchors and associated fencing.

The site inspection did not identify any manufacturing and process areas; chemical storage areas; hazardous waste storage areas; suspected disposal areas; subsurface structures such as drains, sumps, septic systems, and tanks; electrical equipment which may contain PCB; evidence of historical uses; and soil staining or impacted vegetation.

A site plan is provided in Section 16.2 and photographs of the Subject Property are provided in Section 16.3.

6.4 Interior Observations

Both the communications side and the engine generator (EG) side of the equipment building were observed to be in good condition. The FAA will remove the EG and several personal property items that were observed including fire extinguishers, furniture, oil containers, cleaning chemicals, etc. Items and equipment which are part of the building remain including lighting, control panels, thermostat, heating and cooling system, grounding and electrical systems. No evidence of recognized environmental conditions was observed. Additionally, the inventory of structures and equipment that was previously located on the Subject Property is outlined in the Parsons TSSC 4 *Site Survey Report.*

Photographs of the Subject Property are provided in Section 16.3.

7.0 INTERVIEWS

7.1 Interview with Owner

The FAA owns the Subject Property. FAA Central Service Area (CSA) Real Estate Contracting Officer (RECO), Jana Blanco, provided information regarding the property status and associated real estate documents.

7.2 Interview with Site Manager

Interviews were conducted with Lake Charles SSC ATSS Dennis Creech in person during the site inspection and via email and telephone prior to and following the site inspection. Mr. Creech provided information regarding the historical use of the site prior to FAA use. Also Lake Charles SSC Manager John Halbrook provided information regarding the status of removal of the propane AST from the Subject Property. Neither Mr. Creech nor Mr. Halbrook indicated knowledge of any current or historical adverse environmental conditions at or around the Subject Property.

7.3 Interviews with Occupants

There are no occupants as the site has been decommissioned and the Subject Property was never a staffed facility.

7.4 Interviews with State and/or Local Officials

Research and investigation efforts provided information required for this Phase I. Therefore, no interviews with state or local officials were deemed necessary.

7.5 Interviews with Others

No other interviews were deemed necessary.

8.0 FINDINGS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of the applicable ASTM Standard E1527-13, and FAA Order 1050.19B, of LCH RCLR located at 5656 River Road in Lake Charles, Louisiana 70615. Any exceptions to, or deletions from, this practice are described in Section 11.0 of this report.

No findings indicating any potential recognized environmental conditions were noted.

9.0 OPINIONS

The site inspection and records review did not reveal any recognized environmental conditions in connection with the Subject Property. Also, there is no indication that FAA activities on the Subject Property have contributed to any environmental concerns on adjacent properties. Furthermore, there is no indication that operations and conditions on adjacent properties have caused any adverse environmental effects to the Subject Property.

10.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard E1527-13, and FAA Order 1050.19B, of LCH RCLR located at 5656 River Road in Lake Charles, Louisiana 70615. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Subject Property.

11.0 DEVIATIONS

This Phase I EDDA was performed with no deletions or deviations from ASTM Standard E1527-13 and FAA Order 1050.19B, except as specified in Section 12.0.

12.0 ADDITIONAL SERVICES

12.1 Asbestos

No sampling for asbestos was done as part of this Phase I EDDA. Parsons TSSC 4 indicated in the *Site Survey Report* and as identified in the Envirotest, *Asbestos Survey Report*, no asbestos containing material had been identified at the Subject Property.

12.2 Lead

No sampling for lead based paint was conducted as part of this Phase I EDDA. Parsons TSSC 4 indicated in the *Site Survey Report* that no lead based paint had been identified at the Subject Property.

12.3 Radon

No sampling for radon was conducted as part of this Phase I EDDA. According to the U.S. Environmental Protection Agency (EPA), Calcasieu Parish Louisiana is a Zone 3 which is Low Potential and indicates a predicted average indoor radon screening level less than 2 pCi/L (picoCuries per Liter).

12.4 Historic Value

The National Historic Preservation Act (NHPA), as amended in 16 United States Code (USC) 470, is the fundamental law for the protection, rehabilitation, restoration and reconstruction of cultural resources. Section 106 of this Act requires that federal agencies take measures to protect properties eligible for or included in the National Register of Historic Places (NRHP). Other statutes, such as the Archaeological Resources Protection Act (16 USC 470aa-470ii); protect non-structural properties of historic importance. Research indicates that the Subject Property does not contain any structures or areas that qualify for protection as related to the above-referenced statutes. During the site inspection, no such NRHP sites were observed. A review of the NRHP did not reveal any information to suggest that the Subject Property would be covered under the above-referenced statutes.

13.0 REFERENCES

Envirotest, *Asbestos Survey Report LCH RCLA, Moss Bluff, Louisiana*, September 23, 2014. This report is available on the FAA Facility Disposition KSN.

Environmental Data Resources, Inc., *EDR Radius Map Report with GeoCheck*, Inquiry Number 4190758.2s, January 26, 2015. This report is provided as a separate file.

Parsons TSSC 4, *Site Survey Report, Lake Charles, Louisiana, Demolish, Remove, and Dispose of the LCH Remote Communications Link Repeater (RCLR) (JCN: 1304187)*. September 23, 2014. This Site Survey Report is available on the FAA Facility Disposition KSN.

Soils information was obtained from Natural Resource Conservation Web Soil Survey website: http://websoilsurvey.nrcs.usda.gov/

The National Wetlands Inventory (NWI) map was obtained from the National Wetlands Inventory website: http://www.fws.gov/wetlands/.

The Flood Insurance Rate Map (FIRM) was researched at the Federal Emergency Management Agency (FEMA) website: https://msc.fema.gov/.

The information regarding radon zone was obtained from the EPA website: http://www.epa.gov/radon/zonemap.html.

The information regarding historic resources was obtained from the National Registry of Historic Places (NRHP) website: http://www.nationalregisterofhistoricplaces.com/.

14.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

This Phase I EDDA was performed in accordance with ASTM Standard E1527-13 and FAA Order 1050.19B. The methodologies contained in these standards and orders include, among other things, interviews with individuals familiar with the Subject Property, site inspection and historical records review. Information obtained during the interviews and site inspection was recorded and reviewed before being included in this Phase I EDDA report. All information obtained during the site investigation and subsequently included within the Phase I EDDA is assumed to be reliable. The purpose of this investigation is to provide FAA with information regarding any existing or potential environmental concerns on or surrounding the audit site. The following signatures attest to these statements:

Lucas Hornsby, Lockheed Martin (NISC III)	February 13, 2015 Date:
Digitally signed by Steven R. Thurman DN: cn=Steven R. Thurman, o=Lockheed Martin, ou=NISC III, email=Steven.R.Thurman@lmco.com, c=US Date: 2015.02.13 08:07:28 -05'00' Steven R. Thurman, Lockheed Martin (NISC III)	February 13, 2015 Date:

We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professionals as defined in §312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

15.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

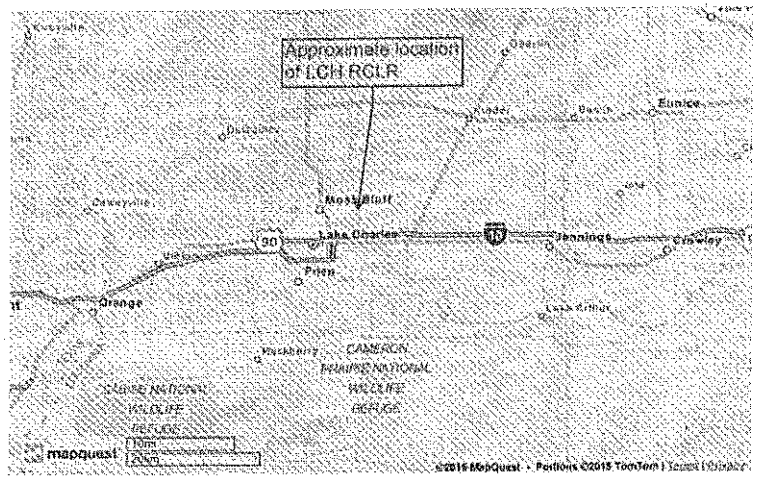
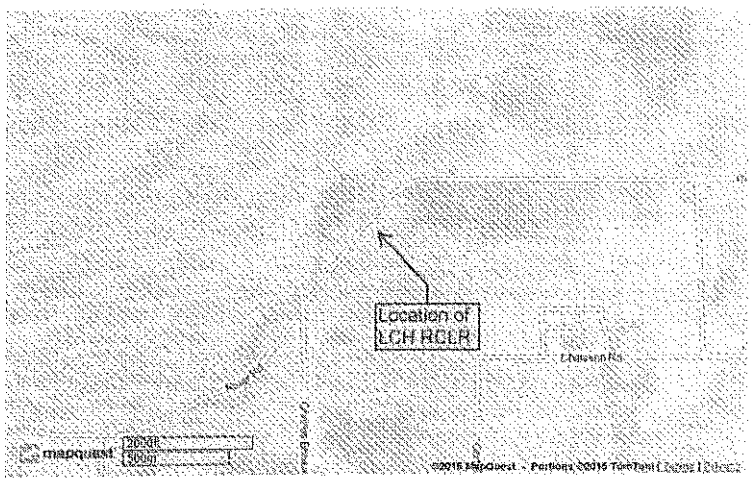
We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professionals as defined in §312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

16.0 APPENDICES

16.1 Site Area and Site Vicinity Maps

Site Area Map



Site Vicinity Map