



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

January 6, 2009

**SENT VIA E-MAIL**

[John.P.Matthews@nasa.gov](mailto:John.P.Matthews@nasa.gov)

Michael J. Benik  
Director, Center Operations  
John F. Kennedy Space Center  
Environmental Program Branch  
NASA, Mail Code: TA-C3  
Kennedy Space Center, Florida 32899

**SUBJECT:** John F. Kennedy Space Center  
FL6800014585  
Operating/Corrective Action Permit 0026028-HO-005  
Brevard County

Dear Mr. Benik:

Enclosed is Permit Number 0026028-HO-005 to operate one miscellaneous treatment unit and construct another miscellaneous treatment unit for treatment of inorganic zinc oxide paint waste. This permit is being issued pursuant to Section 403.722, Florida Statutes (F.S.), and Chapters 62-4, 62-160, 62-730, and 62-780, Florida Administrative Code (F.A.C.).

This permit modification is final and effective ("issued") on the date filed with the Clerk of the Department. When the permit is final, any party to the permit has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice to Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, Department of Environmental Protection, 3900 Commonwealth Boulevard, MS #35, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal.

The Notice of Appeal must be filed within thirty (30) days from the date the final permit is issued. If you should have any questions, please contact Daniel Kuncicky at (850) 245-8786 or [Daniel.Kuncicky@dep.state.fl.us](mailto:Daniel.Kuncicky@dep.state.fl.us).

Michael J. Benik  
January 6, 2009  
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Sincerely,



Tim J. Bahr, Administrator  
Hazardous Waste Regulation Section

TB/dmk

cc with enclosure:

Karen Knight, EPA/Region 4, [Knight.Karen@epa.gov](mailto:Knight.Karen@epa.gov)  
Lu Burson, DEP/Orlando, [Lu.Burson@dep.state.fl.us](mailto:Lu.Burson@dep.state.fl.us)  
Tom Lubozynski, DEP/Orlando, [Tom.Lubozynski@dep.state.fl.us](mailto:Tom.Lubozynski@dep.state.fl.us)  
Janine Kraemer, DEP/Orlando, [Janine.Kraemer@dep.state.fl.us](mailto:Janine.Kraemer@dep.state.fl.us)  
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Environmental Program Branch  
NASA, Mail Code: TA-C3  
Kennedy Space Center, Florida 32899

I.D. NUMBER: FL6800014585  
PERMIT/CERTIFICATION NUMBER: 0026028-HO-005  
DATE OF ISSUE: January 6, 2009  
EXPIRATION DATE: August 29, 2012  
COUNTY: Brevard  
LATITUDE /LONGITUDE: 28°35'43"N/80°38'17"W  
SECTION/TOWNSHIP/RANGE: 8/22S/37E  
PROJECT: Operation of Two Hazardous Waste  
Storage Units, Operation of One Miscellaneous  
Treatment Unit, Construction of One Miscellaneous  
Treatment Unit and Facility-Wide Corrective Action

ATTENTION:  
Michael J. Benik,  
Director of Center Operations

Pursuant to authorization obtained by the Florida Department of Environmental Protection (FDEP) under the Resource Recovery and Conservation Act [42 United States Code (U.S.C.) 6901, *et seq.*, commonly known as RCRA] and the Hazardous and Solid Waste Amendments of 1984 (HSWA), this permit is issued under the provisions of Section 403.722, Florida Statutes (F.S.) and Chapters 62-4, 62-160, 62-730, 62-777 and 62-780, Florida Administrative Code (F.A.C.) The above-named Permittee is hereby authorized to perform the work or operate the facility shown on the application dated March 1, 2007 herein referred to as "the permit application", and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof. The RCRA-regulated units are specifically described as follows:

Units K7-164 and K7-165 are container storage units used for temporary storage of Permittee generated containerized hazardous waste and Permittee generated controlled waste (i.e. non-hazardous waste) prior to off-site disposal. Unit K7-164 has one storage cell (Cell D). Unit K7-165 has three storage cells (Cells A, B & C). All cells are designed for storage of solid and liquid containerized waste. Cell A is used for storage of ignitable, organic and toxic wastes, Cell B for storage of caustic, toxic and reactive wastes, Cell C for storage of acidic wastes, and Cell D for storage of solid hazardous waste and controlled waste.

Units K7-164 and K7-165 are metal storage buildings each having 6 inch reinforced monolithic concrete slab floors. The floors are sealed with a two-component epoxy resin compatible with organic solvents and corrosives. A 6 inch high curb surrounds the perimeter of Cells A, B and C for secondary containment. A 12 inch high curb surrounds

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the perimeter of Cell D for secondary containment. A 60 gal capacity sump is located in the middle of Cells A, B, and C. A 763 gal capacity sump is located in the middle rear of Cell D. The floor is sloped toward each sump to drain any liquids away from the containers.

A miscellaneous treatment unit used for treatment of inorganic zinc oxide (IZO) paint waste is located in Unit K6-1896B off of Contractor's Road. The structure has a 900 ft<sup>2</sup> footprint with a concrete floor, three corrugated metal siding walls (a chain link fence is used to secure the front of the building) and a metal roof. K6-1896B is also a RCRA compliant 90 day hazardous waste accumulation area. The miscellaneous treatment unit has secondary containment capable of containing more volume than the total amount of liquid waste stored in unit K6-1896B.

An additional miscellaneous treatment unit for treatment of IZO paint waste will be constructed adjacent to Facility K7-115 located north of Saturn Causeway between the Vehicle Assembly Building (VAB) and the launch pads. The unit will be inside a pre-fabricated building situated on a concrete pad. The same treatment process and similar equipment currently used at K6-1896B will be used at the new treatment unit. The new unit will also be managed as and meet the requirements for a 90 day hazardous waste accumulation area.

The Permittee is required to investigate any releases of hazardous waste or hazardous constituents at the facility regardless of the time at which waste was placed in a unit and to take appropriate corrective action for any such releases. Solid waste management units (SWMUs), areas of concern (AOCs) and potential release locations (PRLs) identified to date are listed in Appendix A. Pursuant to 40 Code of Federal Regulations (CFR) 260.10 [as adopted by reference in Rule 62-730.020(1), F.A.C.], the corrective action requirements of this RCRA permit extend to all contiguous property under the control of the Permittee (see Attachment 1, a map which demarks the property boundaries of land under the Permittee's control) and to all contamination that originated from discharges at the contiguous property under control of the Permittee.

This permit is based on the premise that information and reports submitted by the Permittee prior to issuance of this permit are accurate. Any inaccuracies found in this information or information submitted as required by this permit may be grounds for termination or modification of this permit in accordance with Rule 62-730.290, F.A.C and potential enforcement action.

Compliance with this RCRA permit constitutes compliance for purposes of enforcement with Subtitle C of RCRA, except for those requirements not included in the permit which become effective by statute; are promulgated under 40 CFR Part 268 restricting placement of hazardous waste in or on the land; or are promulgated under 40 CFR Part 264 regarding leak detection systems for new and replacement surface impoundments, waste piles, and landfill units, and lateral expansions of surface impoundments, waste piles, and landfill units, as specified in 40 CFR 270.4. Compliance with the terms of this permit does not constitute a defense to any order

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issued or any action brought under Section 3008(a), 3008(h), 3004(v), 3008(c), 3007, 3013 or Section 7003 of RCRA, Sections 104, 106(a), 106(e), or 107 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9601 *et seq.*, commonly known as CERCLA), or any other law providing for protection of public health or the environment.

The facility is located at John F. Kennedy Space Center, Florida.

The following documents were used in the preparation of this permit:

1. Facility Response to First Request for Additional information Letter dated September 4, 2008.
2. Construction and Operation Permit Application for IOZ Paint Waste Treatment Unit dated July 23, 2008.
3. Facility request for waiver of 135 day permit renewal time limit dated March 21, 2008.
4. Facility request for waiver of 135 day permit renewal time limit dated October 19, 2007.
5. Corrective Action Management Plan dated October 17, 2007.
6. Facility request for permit application completeness determination time extension dated May 25, 2007.
7. Permit Renewal Application dated March 1, 2007.
8. Statement of Basis in Support of HSWA Permit Modification Kennedy Space Center, September 28, 2006.
9. Permit Modification Application dated September 25, 2006
10. Permit Renewal Application dated July 9, 2001.
11. Errata to Permit Modification Application (May 10, 2001) dated May 24, 2001
12. HSWA Permit Modification Application dated May 10, 2001.
13. Permit Modification for contingency plans and preparedness and prevention procedures dated December 18, 2000.
14. Permit Renewal Application dated December 5, 1996.
15. Construction Permit for K7-164 (Cell D): HC01-269532 issued on February 2, 1996.

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16. Construction Permit Application for New Annex to the Hazardous Waste Storage Facility, K7-165, Dated April 18, 1995.
17. Permit Modification to incorporate additional hazardous waste codes and update the waste analysis plan at storage facilities K7-165 & M7-1361: HOMS-256951 issued on May 11, 1995.
18. Renewal Operating Permit for K7-165 and M7-1361: HO05-197640 issued on June 5, 1992.
19. Permit Modification to incorporate additional waste streams and increase drum storage capacity at storage facilities K7-165 & M7-1361 issued on May 22, 1989.
20. Permit Modification to incorporate additional hazardous waste codes at storage facility K7-165 issued October 20, 1988.
21. Permit Modification to incorporate additional hazardous waste codes at storage facility M7-1361 issued July 29, 1988.
22. Permit Modification to reflect completed construction of storage facility K7-165 issued December 18, 1987.
23. Permit Modification to upgrade storage facility K7-165 issued July 2, 1987.
24. Permit Modification to include M7-136 issued on January 28, 1987.
25. Original Operating Permit HO05-98595 for K7-165 issued on October 16, 1986.
26. Construction Permit HC05-63124 for K7-165 issued on May 16, 1984.
27. Temporary Operating Permit HT05-68389 issued on March 6, 1984.

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### **PART I - GENERAL AND STANDARD CONDITIONS**

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are “permit conditions” and are binding and enforceable pursuant to Sections 403.141 and 403.727, F.S. The Permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Sections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the Permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the Permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The Permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the Permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The Permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times (reasonable times may depend on the nature of the concern being investigated), access to the premises where the permitted activity is located or conducted to:

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- a. Have access to and copy any records that must be kept under conditions of the permit;
  - b. Inspect the facility, equipment, practices, or operations regulated as required under this permit; and
  - c. Sample or monitor any substances or parameters at any time or location reasonably necessary to assure compliance with this permit or Department rules.
8. The Permittee shall comply with the following notification and reporting requirements:
- a. Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than 14 days after each schedule date.
  - b. If, for any reason, the Permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the Permittee shall immediately provide the Department with the following information:
    - (1) A description of and cause of noncompliance; and
    - (2) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The Permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
  - c. Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within five days. The verbal report shall include the name, address, I.D. number, and telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. The written submission shall contain:
    - (1) A description and cause of the noncompliance.
    - (2) If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.
  - d. The Permittee shall comply with the "Notices" provisions of Rule 62-780.220, F.A.C.

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- e. The Permittee shall give written notice to the Department as soon as possible of any planned physical alterations or additions, including Permittee-initiated emergency response or interim source removal. The notice shall include at a minimum, a summary of the planned change, the reason for the planned change, a discussion of the impact(s) the planned change will have on the ability to investigate contamination at or from the SWMU, AOC or PRL, and a discussion of the impact(s) the planned change will have on the known or suspected contamination.
  - f. The Permittee shall revise "Part I - General" of the Application for a Hazardous Waste Facility Permit [DEP Form 62-730.900(2)(a)] and submit the revised form to the Department within 30 days of any changes in the Part I information.
  - g. Biennial report. A biennial report covering facility activities during the previous calendar year shall be submitted by March 1 of each even numbered year pursuant to Chapter 62-730, F.A.C.
  - h. Unmanifested waste report. The Permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.
  - i. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the Permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the Permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.
9. In accepting this permit, the Permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
  10. The Permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the Permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
  11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.290(6) F.A.C., as applicable. The Permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department. Before transferring ownership or operation of this facility during the term of this permit,

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the Permittee must notify the new owner or operator in writing of the requirements of 40 CFR Part 264 and Chapter 62-730, F.A.C.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity. In the event that there is no building or reasonable repository for such a copy at the work site, then the permit or a copy thereof shall be kept at an alternate location agreed to by the department.
13. The Permittee shall comply with the following recordkeeping requirements:
  - a. Upon request, the Permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b. The Permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit; copies of all reports required by this permit; records of all data used to complete the application for this permit; and all monitoring data required by 40 CFR Part 264 Subparts F and G, and 40 CFR 264.228. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - c. Records of monitoring information shall include at a minimum:
    - (1) The date, exact place, and time of sampling or measurements;
    - (2) The person responsible for performing the sampling or measurements;
    - (3) The dates analyses were performed;
    - (4) The person responsible for performing the analyses;
    - (5) The analytical techniques or methods used; and
    - (6) The results of such analyses.
  - d. As a generator of hazardous waste, the Permittee shall retain a copy of all notices, certifications, demonstrations, waste analysis data, and other documentation produced pursuant to 40 CFR Part 268 for at least three years from the date that the waste which is the subject of such documentation was last sent to an on-property or off-property facility for treatment, storage, or disposal, or until remedial activity is completed, whichever date is later. These periods may be extended by request of the Department

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at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility.

- e. The Permittee shall keep a written operating record at the facility, which includes:
- (1) The results of any waste analysis;
  - (2) Copies of manifests for three years (40 CFR 264.71, 264.72 and 264.76);
  - (3) The results of inspections;
  - (4) The closure plan, postclosure plan, and corrective measures (remedial action) plans for each applicable SWMU, AOC and PRL, along with cost estimates for each plan;
  - (5) Inspections of emergency and safety equipment (Condition 25 of this Part);
  - (6) Biennial reports;
  - (7) Personnel training records (Part II Condition 2);
  - (8) The Waste Minimization Program Plan (Part II Condition 7);
  - (9) Biennial certification of waste minimization (Part II Condition 7);
  - (10) The description and quantity of each hazardous waste [received/generated];
  - (11) The location of each hazardous waste within the facility and the quantity at location;
  - (12) Notices to generators as specified in 40 CFR 264.12(b);
  - (13) A log of dates of operations and unusual events; and
  - (14) A summary report and details of incidents that require implementation of the contingency plan.
14. When requested by the Department, the Permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the Permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

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15. Except as otherwise specifically provided in this permit, all submittals in response to permit conditions shall be as follows:

a. Documents related to post-closure or operating-permit conditions, one hard and one electronic copy shall be sent to:

Environmental Administrator  
Hazardous Waste Regulation Section  
M.S. 4560  
Bureau of Solid and Hazardous Waste  
Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

b. Documents related to corrective-action conditions, one hard and one electronic copy shall be sent to:

Administrator, Federal Facilities Group  
M.S. 4535  
Bureau of Waste Cleanup  
Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

16. All documents submitted pursuant to the conditions of this permit shall be accompanied by a cover letter stating the name and date of the document submitted, the number(s) of the Part(s) and Condition(s) affected, and the permit number and project name of the permit involved. All documents proposing modifications to the approved permit and involving the practice of engineering must be submitted to the Department for review and be signed, sealed, and certified by a Professional Engineer in accordance with Chapter 471, F.S. and Rule 62-730.220(9), F.A.C. All submittals incorporating interpretation of geological data shall be signed and sealed by a Professional Geologist in accordance with Chapter 492, F.S. and Rule 62-730.220(10), F.A.C.

17. All reports or information required by the Department or provided by a hazardous waste Permittee shall be signed by a person authorized to sign a permit application.

18. The Department of Environmental Protection's 24-hour emergency telephone number is (850) 413-9911 or (800) 320-0519. During normal business hours, the DEP District Office may be contacted at (407) 894-7555.

19. The following conditions apply to permit modification and revocation of this permit:

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- a. The Department may modify, revoke, reissue or terminate for cause this permit in accordance with Chapters 62-4 and 62-730, F.A.C. The filing of a request for a permit modification, revocation, reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any permit condition. The Permittee may submit any subsequent modifications to the Department for approval. The application shall meet the fee requirements of Rule 62-730.293, F.A.C. The Permittee shall submit the application for revisions to the address in Condition 15a. of this Part. The Permittee shall submit a copy of the cover letter accompanying the revisions and the fee to:

Environmental Administrator  
M.S. 4560  
Hazardous Waste Regulation Section  
Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

The modification fee may also be submitted electronically. However, if the Permittee intends to submit the modification fee electronically, the Permittee shall obtain instructions from the Department on how to submit the renewal fee electronically prior to attempting such submittal and shall follow such instructions in making the electronic fee submittal.

- b. If at any time the Department or the Permittee determines that modification of required time frames is necessary, the permit may be modified to reflect the change(s), with Department approval. If the Department determines that steps or dates in the permit may be changed, combined or streamlined without modification of the permit, it may do so with the concurrence of the Permittee following the guidance of the most recent RCRA reforms.
  - c. For any task included in the Department-approved Corrective Action Management Plan (CAMP) schedule, the schedule in the CAMP takes precedence over the schedule of compliance provided in this permit or Chapter 62-780, F.A.C. If at any time the Department determines that a requested update to the permit schedule of compliance is appropriate, the CAMP schedule shall be updated to reflect the approved changes. Once the Department has approved the update, the updated CAMP schedule shall replace the existing CAMP schedule and take precedence over the schedule of compliance provided in this permit or Chapter 62-780, F.A.C.
20. Prior to 180 calendar days before the expiration of this permit, the Permittee shall submit a complete application for the renewal of the permit on forms and in a manner prescribed by the Department unless postclosure care and all corrective action have been completed and accepted by the Department. If the Permittee allows this permit to expire prior to

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Department acceptance of the certification of postclosure and termination of all corrective action, the Permittee must reapply for a permit in accordance with DEP Form 62-730.900(2), F.A.C. The Permittee shall submit the renewal to the addresses in Condition 15a. of this Part. The Permittee shall submit one copy of the cover letter accompanying the renewal and the fee to:

Environmental Administrator  
M.S. 4560  
Hazardous Waste Regulation Section  
Department of Environmental Protection  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

The renewal fee may also be submitted electronically. However, if the Permittee intends to submit the renewal fee electronically, the Permittee shall obtain instructions from the Department on how to submit the renewal fee electronically prior to attempting such submittal and shall follow such instructions in making the electronic fee submittal.

21. The Permittee shall comply with those sections of 40 CFR Part 124 specified in Rule 62-730.200(3), F.A.C., 40 CFR Parts 260 through 268, and 40 CFR Part 270 as adopted in Chapter 62-730, F.A.C., until released from postclosure care requirements and all facility-wide corrective action requirements.
22. The Permittee shall comply with the security provisions of 40 CFR 264.14 and the facility security provisions, Part II.A.4.a of the permit application dated December 5, 1996.
23. This facility is a suspected or confirmed contaminated facility where there may be a risk of exposure to the public. The Permittee shall coordinate with Department representatives via the Partnering Team on sign verbiage, size, placement, site locations, and on other details of sign installation. It is noted here that this policy shall meet the intent of the requirements of Section 403.7255, F.S., and Rule 62-730.181(3), F.A.C.
24. The Permittee shall visually inspect the facility emergency and safety equipment in accordance with 40 CFR 264.15, and Part II.A.4.d of the permit application dated December 5, 1996 and using the approved inspection log submitted to the Department on April 21, 2008 during permitted activities. The Permittee shall remedy any deterioration or malfunction discovered by an inspection, in accordance with the requirements of 40 CFR 264.15(c). A schedule for the inspection of the facility emergency and safety equipment must be maintained as the operating record of the facility. Changes, additions, or deletions to the schedule must be approved in writing by the Department.
25. The Permittee shall comply with the following conditions concerning preparedness and prevention:

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- a. At a minimum, the Permittee shall have the equipment available at the facility which is described in Part II A.4.b *Contingency Plan* of the permit application dated December 5, 1996 (modified on December 18, 2000) and in Part 4.8, Attachments 12 & 13 of the permit application dated July 23, 2008.
  - b. The Permittee shall test and maintain the required equipment as necessary to assure its proper operation in time of emergency.
  - c. The Permittee shall maintain immediate access to an internal communications or alarm system.
  - d. The Permittee shall maintain arrangements with State and local authorities as required by 40 CFR 264.37. If State or local officials refuse to enter into preparedness and prevention arrangements with the Permittee, the Permittee must document this refusal in the operating record.
  - e. At a minimum, the Permittee shall maintain aisle space to allow the unobstructed movement of personnel, fire protection, and emergency response equipment to any area of the Facility.
26. The conditions in this permit shall take precedence over the permit application documents where there are differences between those documents and the permit conditions.
27. The Permittee may claim that any information required to be submitted by this permit is confidential in accordance with Rule 62-730.100(3), F.A.C.
28. All work plans, reports and schedules and other documents (“submittals”) required by this permit are subject to approval by the Department prior to implementation. The Department will review the submittals and respond in writing. Upon written approval by the Department, the Permittee shall implement all work plans, reports and schedules as provided in the approved submittal. If the Department disapproves a submittal, the Department may:
- a. Notify the Permittee in writing of the reason(s) why the submittal does not contain information adequate to support the conclusion, alternative, plan, proposal or recommendation, or why the conclusion, alternative, plan, proposal or recommendation is not supported by the applicable criteria. In this case the Permittee shall submit a revised submittal within 60 days of receipt of the Department’s disapproval; or
  - b. Revise the submittal, or approve the submittal with conditions, and notify the Permittee of the revisions or conditions. In the case of work plans, the Department may notify the Permittee of the start date of the schedule within the revised or conditionally approved work plan.

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29. Any dispute resolution will be conducted in accordance with Chapter 120, F.S. (Administrative Procedure Act), Chapter 28-106, F.A.C. and the Department's existing rules and procedures.
30. The following conditions apply to land disposal (placement) of hazardous wastes:
  - a. 40 CFR Part 268 identifies hazardous wastes that are restricted from land disposal and defines those limited circumstances under which an otherwise prohibited waste may continue to be placed on or in a land treatment, storage, or disposal unit. The Permittee shall maintain compliance with the requirements of 40 CFR Part 268. Where the Permittee has applied for an extension, waiver, or variance under 40 CFR Part 268, the Permittee shall comply with all restrictions on land disposal under this Part once the effective date for the waste has been reached pending final approval of such application.
  - b. A restricted waste identified in 40 CFR Part 268 Subpart C may not be placed in a land disposal unit without further treatment unless the requirements of 40 CFR Part 268 Subparts C and/or D are met.
  - c. The storage of hazardous wastes restricted from land disposal under 40 CFR Part 268 is prohibited unless the requirements of 40 CFR Part 268 Subpart E are met.
31. The Permittee shall implement remedial activities beyond the facility boundary where necessary to protect human health and the environment, unless the Permittee demonstrates to the satisfaction of the Department that, despite the Permittee's best efforts, as determined by the Department, the Permittee was unable to obtain the necessary permission to undertake such actions. The Permittee shall use all reasonable efforts, including but not limited to correspondence, telephone calls, personal contacts, drafting and redrafting agreements, and payment of a fee, to obtain any access to real property necessary for work to be performed in the implementation of this permit. If necessary access cannot be obtained by the Permittee, or if obtained, is revoked by owners or entities controlling access to the properties to which access is necessary, the Permittee shall notify the Department within five business days of such refusal or revocation. The Department may at any time thereafter seek to obtain such access as is necessary to implement the terms of this permit. The Permittee shall reimburse the Department for any damages, costs, or expenses, including expert and attorneys' fees, that the Department is ordered to pay, or that the Department incurs in connection with its efforts to obtain necessary access to said property. The Permittee shall pay these sums to the Department, or arrange a payment schedule with the Department, within 30 days of demand by the Department. The Permittee is not relieved of all responsibility to clean up a release that has migrated beyond the facility boundary where off-property access is denied. On-site measures to address such releases will be determined on a case-by-case basis.

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## **PART II - OPERATING CONDITIONS**

### **Part II Subpart A - General Operating Conditions**

1. The Permittee shall notify the Department in writing four weeks prior to receipt of hazardous waste from a foreign source. Notice of subsequent shipments of the same waste from the same foreign source is not required.
2. Facility personnel must successfully complete the approved training program indicated in Part II.A.4.e of the permit application dated December 5, 1996, within six months of employment or assignment to a facility or to a new position at the facility. Verification of this training must be kept with the personnel training records and maintained at the facility. Personnel shall not work unsupervised until training has been completed. The training must be reviewed by facility personnel at least annually. The Permittee shall maintain an updated list of personnel handling hazardous waste and their respective job titles at the facility.
3. The Permittee shall maintain and operate the facility to minimize the possibility of fire, explosion or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
4. The Contingency Plan must be reviewed periodically and immediately amended and distributed to the appropriate agencies if any criteria in 40 CFR 264.54 are met. Amendments to the plan must be approved in writing by the Department.
5. The Permittee shall comply with the following conditions concerning the Contingency Plan:
  - a. The Permittee shall immediately carry out the provisions of the permit, and follow the emergency procedures described by 40 CFR 264.56, whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents that threatens or could threaten human health or the environment. The Permittee shall give proper notification if an emergency situation arises and, within five calendar days, must submit to the Department a written report which includes all information required in Part I Condition 8.(c).
  - b. The Permittee shall comply with the requirements of 40 CFR 264.53.
  - c. Within seven calendar days of meeting any criterion listed in 40 CFR 264.54(a), (b) or (c), the Permittee shall amend the plan and submit the amended plan for Department approval. Any other changes to the plan must be submitted to the Department within seven days of the change. All amended plans must be distributed to the appropriate agencies.

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- d. The Permittee shall comply with the requirements of 40 CFR 264.55, concerning the emergency coordinator.
6. Sampling and analysis of permitted and new hazardous wastes shall be conducted in accordance with Part II.A.6, Waste Analysis Plan, of the permit application dated December 5, 1996.
7. The Permittee shall develop and maintain a Waste Minimization Program Plan. The Permittee shall maintain copies of the certification required by this Condition in the facility operating record. The Permittee must certify, no less often than annually, that:
  - a. The Permittee has a program in place to reduce the volume and toxicity of hazardous waste generated to the degree determined by the Permittee to be economically practicable; and
  - b. The proposed method of treatment, storage or disposal is the most practicable method available to the Permittee, which minimizes the present and future threat to human health and the environment.
8. In addition to the copies sent to the Hazardous Waste Regulation Section in Tallahassee, one copy of all submittals in response to permit conditions in this Part shall be sent to the district office at:

Hazardous Waste Supervisor  
Department of Environmental Protection  
Suite 232  
3319 Maguire Boulevard  
Orlando, Florida 32803-3767

**Part II Subpart B - Specific Operating Conditions**  
**Part II Subpart B.1 – Storage Units K7-164 & K7-165**

1. The Permittee shall maintain and operate the storage facility in accordance with the applicable hazardous waste rules and regulations to minimize the possibility of a fire, explosion, or any unplanned, sudden or non-sudden release of hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment. As described in Part II.B of the application dated December 5, 1996, maximum storage capacity of the hazardous waste storage facilities K7-164 & K7-165 are:

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Cell	Volume, gal	Drum Quantity
Cell A (ignitable/organic/toxic)	7,293 gallons	504
Cell B (caustics/toxic/reactive)	5,704 gallons	372
Cell C (acidic)	3,647 gallons	208
Cell D (solid HW and controlled waste)	22,400 gallons	700

2. When the Permittee is to receive hazardous waste from an off-site source, the Permittee must inform the generator in writing that the Permittee has the appropriate permit, and will accept the waste the generator is shipping. The Permittee must keep a copy of this written notice as part of the operating record.
3. The Permittee shall follow the waste analysis procedures required by 40 CFR 264.13, and as described in Part II A.6, Waste Analysis Plan, submitted in the permit application dated December 5, 1996. If the Waste Analysis Plan is updated to affect the operation or management of hazardous waste storage facilities K7-164 & K7-165, the Permittee must have written approval from the Department accepting the proposed changes before implementation is allowed. A copy of the revised Waste Analysis Plan shall be submitted to the Department no later than 30 days after the plan is updated.
4. Only hazardous waste listed in Attachment 2 of this Permit shall be stored at facilities K7-164 & K7-165. Prior to acceptance of new hazardous waste that is not already included in this permit, the Permittee shall request a permit modification from the Department to store the new waste stream. The permit modification request shall include a list of new hazardous waste codes and a Waste Analysis Plan for each new waste code. The permit modification will require a public notice.
5. New hazardous waste shall mean any waste stream which is identified by an EPA Hazardous Waste Number or combination of EPA Hazardous Waste Numbers which is not listed in this permit.
6. The Permittee shall remove liquid in the sump or containment area within 24 hours of any spill, rupture, leak or any contained rainwater. Collected materials must be analyzed and disposed of properly.

#### **Part II Subpart B.2 – Miscellaneous Treatment Unit K6-1896B**

1. The Permittee will adhere to the general requirements for storage and treatment of ignitable, reactive or incompatible wastes as stipulated in 40 CFR Part 264.17 and according to the specific requirements listed in Part 4.7 of the permit application dated July 23, 2008.

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2. The Permittee shall only treat the IOZ paint waste described in Part 1.2 of the permit application dated July 23, 2008.
3. The Permittee shall only treat the IOZ paint waste according to the procedures stated in Part 2 and in Attachment A to Attachment 4 of the permit application dated July 23, 2008.
4. The Permittee shall document and maintain a record of the quantity of all IOZ paint prepared and applied each day.
5. The Permittee shall bring any unapplied IOZ paint to building K6-1896B for treatment at the end of each shift.
6. The Permittee shall document on a daily basis the volumes of inorganic zinc paint waste generated at the facility, the volume of liquids poured off of segregated solids, and the volume of cured IOZ solids placed in the dumpster for offsite disposal.
7. The Permittee shall ensure that all employees and management persons involved in the IOZ waste handling process have received hazardous waste and zinc paint handling awareness training. The Permittee shall audit subcontractors to ensure compliance with the aforementioned employee training requirements.
8. The Permittee shall ensure that all subcontractors follow the IOZ waste paint treatment protocols referenced in this Part.

**Part II Subpart B.3 – Miscellaneous Treatment Unit to be constructed adjacent to building K7-115**

1. The new IOZ waste paint treatment facility will be constructed in accordance with the plans and requirements stated in Part 3.2 and Attachment 7 of the permit application dated July 23, 2008.
2. The Permittee shall submit a finalized closure plan for Department approval upon completion of construction activities and prior to the start of treatment operations.
3. The Permittee has one year from the issuance date of this permit to complete the construction of the miscellaneous treatment unit next to building K7-115. The Permittee shall reapply for a construction permit if construction of the new miscellaneous treatment unit is not completed within the one year time frame.

**Part II Subpart C - Closure Conditions**

1. The Permittee shall close Units K7-164, K7-165, K6-1896 B, and the miscellaneous treatment unit to be constructed adjacent to building K7-115 in a manner that minimizes or

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eliminates, to the extent necessary to protect human health and the environment, postclosure escape of hazardous waste, hazardous waste constituents, leachate, contaminated run-off, or hazardous waste decomposition products to the groundwater, surface waters, or to the atmosphere.

2. The Permittee shall have a written closure plan as required by 40 CFR 264.112(a). The closure plan and all revisions to the plan must be kept at the facility until closure is completed, certified in accordance with 40 CFR 264.115, and accepted by the Department.
3. Any changes or revisions to the approved Closure Plan must meet the requirements of 40 CFR 264.112(c) and Rule 62-730.290, F.A.C. The written request must include a copy of the amended closure plan for Department approval.
4. The Permittee must complete physical closure activities in accordance with the Closure Schedule in Part II.K of the permit application dated December 5, 1996 and Part 4.9 & Attachment 14 of the permit application dated July 23, 2008. Any changes in the time allowed for closure of the units after approval shall require prior Department approval.
5. The Permittee shall notify the Department 45 days prior to the date on which he expects to begin partial or final closure of a unit(s).
6. At least 30 calendar days prior to initiating closure activities, the Permittee shall prepare and submit a closure checklist with "schedule date" and "completed" columns to document the progress of closure. Upon Department approval, the checklist shall be maintained and updated by the Permittee throughout the closure period, with copies submitted monthly to the Department. Each report must be submitted to the Department by the tenth (10th) day of each month for the preceding month until the acceptance of physical closure by the Department. Any deviation from schedule or described tasks shall be fully documented on the checklist.
7. The Permittee shall complete closure activities within 180 days after notification to the Department of closure. Any changes in the time allowed for closure of the units after approval shall require prior Departmental approval.
8. The Permittee shall properly decontaminate or dispose of all equipment, structures, and residues used during or resulting from the closure activities.
9. The Permittee shall manage all hazardous wastes, residues, sludges, spilled or leaked waste, or contaminated liquids and soils removed during closure of the unit(s) in accordance with the applicable provisions of 40 CFR Parts 260 through 268, including the manifest requirements. A copy of each manifest required as a result of closure activities shall be submitted to the Department with the Closure Certification.

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10. The Permittee shall provide opportunities for site inspections by the Department by informing the Department at least seven calendar days in advance of any physical closure activity (e.g., soil sampling, soil removal, etc.).
11. Within 60 calendar days of the completion of closure, the Permittee shall submit to the Department, by certified mail or hand delivery, a report signed by the Permittee and an independent Professional Engineer registered in the State of Florida, stating that the unit has been closed in compliance with the Closure Plan and the conditions of this permit. The Closure Certification must be based on the Professional Engineer's own observation and knowledge of the closure activities. The Closure Certification must include, but not be limited to, the following:
  - a. Sampling data to verify clean closure;
  - b. Decontamination data;
  - c. Copies of manifests for removal of all hazardous wastes and all contaminated residues containing hazardous constituents;
  - d. Groundwater monitoring data summary pertaining to closure activities;
  - e. A description of the summary of final closure activities; and
  - f. A final inspection check-off sheet.
12. The Permittee shall notify the Department within seven calendar days of any determination that actions undertaken as part of closure or associated monitoring programs no longer satisfy the requirements set forth in this permit. If the Department determines that a modification of the permit is required, the Permittee shall, within 60 calendar days, submit an application for a permit modification in accordance with Rule 62-730.290.
13. Within 90 days of determining that all contaminated soil can not be practically removed or decontaminated, the Permittee shall submit an application for permit modification to close the facility as a landfill and perform post closure care as required by 40 CFR 264.310.
14. Within 30 calendar days of submitting a closure certification for a land disposal unit, including a land disposal unit identified under Condition 13 of this Part, the Permittee shall submit to the Department and to the local zoning authority, or the authority with jurisdiction over local land use, a survey plat indicating the type, location, and quantity of hazardous wastes disposed of within the unit with respect to permanently surveyed benchmarks in accordance with 40 CFR 264.116. For hazardous wastes disposed of before January 12, 1981, the owner or operator must identify the type, location, and quantity of the hazardous wastes to the best of his/her knowledge and in accordance with any records s/he has kept.

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### **PART III - POST-CLOSURE CONDITIONS**

Not applicable at this time.

### **PART IV - ENVIRONMENTAL MONITORING CONDITIONS**

1. The Permittee shall implement the most recent Decision Process Document for the RCRA Corrective Action Program as approved by the Department.
2. With Department approval, the Permittee may modify the monitoring well network or required parameters to be monitored at each well based on analytical or hydrogeological data, as long as the modifications continue to provide the information necessary to meet the general groundwater monitoring requirements specified in Part IV Subpart A.
3. The Permittee shall include planned changes to the groundwater monitoring program in each groundwater monitoring report based on the results for the respective sampling event. Approved changes to the monitoring program shall be documented in the next groundwater monitoring report.

### **PART V - GENERAL CORRECTIVE (REMEDIAL) ACTION CONDITIONS**

1. The Conditions of this Part apply to:
  - a. The SWMUs, AOCs and PRLs identified in Appendix A.
  - b. Any additional SWMUs or AOCs discovered during the course of groundwater monitoring, field investigations, environmental audits, or other means; as used in this Part of the permit, the terms "discover", "discovery", or "discovered" refer to the date on which the Permittee either:
    - (1) visually observes evidence of a new SWMU or AOC;
    - (2) visually observes evidence of a previously unidentified release of hazardous waste or hazardous constituents to the environment; or
    - (3) receives information which suggests the presence of a new release of hazardous waste or hazardous constituents to the environment; and
  - c. Contamination that has migrated beyond the facility boundary, if applicable.
2. Within 15 calendar days of discovery, the Permittee shall notify the Department in writing of any newly discovered release(s) of hazardous waste or hazardous constituents; any suspected new AOC(s), any additional SWMU(s) or PRL(s) discovered during the course of groundwater monitoring, field investigations, environmental audits, or other means. The

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notification shall include, at a minimum, the location of the release, AOC, SWMU or PRL (hereinafter referred to collectively as "site"), and all available information (*e.g.*, location of site(s) on a topographic map of appropriate scale; general dimensions of affected area; media affected; hazardous constituents released; and magnitude of release). The Department may conduct, or require that the Permittee conduct, confirmatory sampling in order to determine whether contamination is present. The Department will notify the Permittee in writing of the final determination as to the status of the newly discovered or suspected site.

3. Upon notification by the Department, the Permittee shall prepare and submit a Confirmatory Sampling (CS) Work Plan for known, suspected, or newly discovered sites. Unless the notification letter specifically establishes a different time frame for work plan submittal, the Work Plan shall be submitted within 120 calendar days of notification by the Department that a CS Work Plan is required. The CS Work Plan shall include schedules for implementation and completion of specific actions necessary to determine whether or not contamination has occurred in any potentially affected media. In order to partly or wholly satisfy the CS requirement, previously existing data may be submitted with the work plan for the Department's consideration. In accordance with the schedule in the approved CS Work Plan, or no later than 120 calendar days after Department approval of a CS Work Plan if no schedule is included in the Work Plan, the Permittee shall submit a Confirmatory Sampling (CS) Report identifying those sites that are contaminated and those sites that are not contaminated. The CS Report shall include an analysis of the analytical data to support all determinations. Based on the results of the CS Report, the Department will determine the need for further investigation at sites covered in the CS Report and notify the Permittee in writing.
4. Upon notification by the Department, the Permittee shall commence site rehabilitation in accordance with Rule 62-730.225 and Chapter 62-780, F.A.C., for all SWMUs, AOCs and/or PRLs identified in the notification. Unless the notification letter specifically establishes a different time frame to commence or complete site assessment, the Permittee shall commence and complete site assessment in the manner and within the time limits set forth in Rule 62-780.600, F.A.C.
5. If the Department or the Permittee at any time determines that any approved work plan no longer satisfies the requirements of 40 CFR 264.101 or this permit for prior or continuing releases of hazardous waste or hazardous constituents from SWMUs, AOCs and/or PRLs, the Permittee shall submit an amended work plan to the Department within 90 calendar days of such determination.

## **PART VI – REMEDY SELECTION AND IMPLEMENTATION**

### **Part VI Subpart A - General Conditions**

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1. A remedy shall be selected from the remedial alternatives evaluated in accordance with Chapter 62-780, F.A.C.
2. Within 30 days of Department approval of the remedial alternative selected, the Permittee shall publish notice of a proposed permit modification in accordance with Rule 62-730.292(3)(c), F.A.C. This modification will serve to incorporate a final remedy, including a Corrective Action Management Unit (CAMU) if necessary, into this permit. Final approval of remedial action which is achieved through interim measures shall be in accordance with this condition.
3. Any remedial action plan shall include a provision for the Permittee to submit a periodic Corrective Action Effectiveness Report.
4. When site rehabilitation is complete, the Permittee shall submit to the Department a Site Rehabilitation Completion Report in accordance with Chapter 62-780, F.A.C.
5. For site rehabilitation involving the cleanup of groundwater contaminated by a release from a regulated unit, the Permittee must demonstrate that the concentration of constituents of concern remain below cleanup goals for three consecutive years after active remediation has ceased.

**Part VI Subpart B - Selected Remedies**

1. The selected remedies for each SWMU are listed in the following table.

<b>Table 1. List of solid waste management units (SWMUs) with Selected Remedies* from Statement of Basis:</b>								
SWMU No	LUC	MNA	LTM	BioRem	BioSparg	AirSparg	ISCO	BioAug
1	×	×		×			×	
3	×	×						
4	×	×						
7	×	×						
9	×	×		×				×
10	×	×						
13	×							
14	×	×						
15	×	×						
16	×	×						
21	×							

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**Table 1. List of solid waste management units (SWMUs) with Selected Remedies\* from Statement of Basis:**

SWMU No	LUC	MNA	LTM	BioRem	BioSparg	AirSparg	ISCO	BioAug
30	×	×				×		
31	×	×						
35	×	×						
39	×	×				×		
43	×							
44	×	×						
45	×	×				×		
55	×	×						
56	×	×		×	×			
64	×							
65	×	×						
66	×	×						
67	×	×		×			×	
68	×							
69	×	×	×					
70	×	×				×		
71	×							
72	×	×						
74	×							
75	×	×				×		
76	×	×						
79	×	×						
81	×		×					
85	×	×						
86	×	×						
88	×	×				×		
92	×							
94	×		×					
96	×							

\* LUC – ‘Land use controls’; MNA – ‘Monitored Natural Attenuation’; LTM – ‘Long-Term Monitoring’; BioRem – ‘Bioremediation’; BioSparg – ‘Bio Sparging’; AirSparg – ‘Air Sparging’; ISCO – ‘In-Situ Chemical Oxidation’; BioAug – ‘Bio Augmentation with Down Gradient Extraction.’

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**APPENDIX A - SUMMARY OF FACILITY SITES**

**(SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN)**

<b>A.1. List of SWMUs/AOCs/PRLs requiring Confirmatory Sampling:</b>			
<b>SWMU/AOC/ PRL Number/Letter</b>	<b>SWMU/AOC/ PRL Name</b>	<b>SWMU/AOC/ PRL Comment and Basis for Determination</b>	<b>Dates of Operation</b>
SWMU#20	Spaceport Diesel Storage Area — includes SWMU # 24d		
SWMU #36	GSA Reclamation Yard West	Collecting Representative GW Samples Now; complete SAR after 2010	2000 - present
PRL #122	Fire Station #4, M6-695	CS Work Plan approved by FDEP June 6, 2005	1964 - present
PRL #144	Fire Rescue Training Area, L7-940	CS Work Plan approved by FDEP October 3, 2006	1969 -1994
PRL #148	Base Operations Building, M6-339	CS Work Plan approved by FDEP 4- April 12, 2007	1965 -present
PRL #149	Child Development Center, M6-883	CS Work Plan Approved by FDEP January 10, 2007	1997 - present
PRL #150	Sewage Treatment Plant #1, M6-895	CS Work Plan approved by FDEP April 11, 2007	1996 -present
PRL #153	Property Disposal Office, M6-1723	CS Work Plan approved by FDEP June 13, 2007	1963 - present
PRL #154	Equipment Buildings Static Test Road, M7-0335/M7-0286	CS Work Plan approved by FDEP May 5,-2007	1964 - present
PRL #155	Banana River Repeater Station, M7-0531	CS Work Plan approved by FDEP June 15, 2007	1964 - present
PRL #160	Fire Department Staging Building #1, L6-1563	CS Work Plan approved by FDEP December 19, 2007	1965-1975
PRL #161	Fire Station #6, J7-1339	CS Work Plan Approved by FDEP January 10, 2008	1965 – present

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<b>A.1. List of SWMUs/AOCs/PRLs requiring Confirmatory Sampling:</b>			
<b>SWMU/AOC/ PRL Number/Letter</b>	<b>SWMU/AOC/ PRL Number/Letter</b>	<b>SWMU/AOC/ PRL Number/Letter</b>	<b>SWMU/AOC/ PRL Number/Letter</b>
PRL #161	Fire Station #6, J7-1339	CS Work Plan Approved by FDEP January 10, 2008	1965 – present
PRL #163	Fire Station #2, K6-1198	CS Work Plan approved by FDEP April 23, 2008	1967 - 2007
PRL #164	Paint Shop Area, K6-1397	CS Work Plan approved by FDEP September 12, 2008	1984 - present
PRL #166	Instrumentation Facility Building Area, K7-1557	CS Work Plan approved by FDEP June 5, 2008	1965 -present
PRL #167	Launch Control Center Area, K6-900	CS Work Plan approved by FDEP November 29, 2007	1966 - present
PRL #168	Mission Support Building Area, K6-1298	CS Work Plan approved by FDEP November 30, 2007-	1985 - present
PRL #169	Ordnance Operations Building Area (K7-0558)	CS Work Plan approved by FDEP May 16, 2008	1970 - present
PRL #170	Operations Support Building Area, K6-1096	CS Work Plan Approved by FDEP April 7, 2008	1964 - present
PRL #171	Area 1 Rechlorination Buildings (L6-0043 & M7-0433)	CS Work Plan Approved by FDEP April 21, 2008	1964 - present
PRL #171	Area 1 Rechlorination Buildings (L6-0043 & M7-0433)	CS Work Plan Approved by FDEP April 21, 2008	1964 - present

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<b>A.2. List of SWMUs/AOCs/PRLs requiring a Site Assessment (a/k/a RCRA Facility Investigation [RFI] or a Risk Assessment):</b>			
<b>SWMU/AOC/ PRL No/Letter</b>	<b>SWMU/AOC/P RL Name</b>	<b>SWMU/AOC/ PRL Comment and Basis for Determination</b>	<b>Dates of Operation</b>
SWMU#41	Components Refurbishment & Chemical Analysis Facility, K6-1964	CS Report/RFI Work Plan approved by FDEP October 5, 2005	1996 - present
SWMU#77	Vertical Processing Facility (VPF), M7-1469, (formerly PRL # 109)	RFI Report/CMS Work Plan delivered to FDEP January 31, 2005	1965 - 2007
SWMU#78	SRB Rotation, Processing, & Storage Facility, K6-345, K6-494, (formerly PRL # 104)	RFI Work Plan approved by FDEP May 11, 2004	1984 - present
SWMU#89	Convertor/ Compressor Building, K7-468 (formerly PRL # 60)	CS Report/RFI Work approved FDEP July 8, 2005	1965 - present
SWMU#91	LET/M7-0505 Area (formerly PRL #126 & includes PRL#96 VC Plume	RFI Work Plan approved by FDEP September 21, 2006	1976 - present
SWMU #97	Agricultural Sheds (formerly PRLs#57a, 57b, & 143)	CS Report/RFI Work approved FDEP January 24, 2007	1960's - present
SWMU#98	Space Station Processing Facility, M6-360, (formerly PRL#142)	SAR/CS Work Plan delivered to FDEP February 28, 2006	1992 - present
SWMU#99	Visitor Complex Maintenance Area, M6-504, (formerly PRL#139)	CS Report/RFI Work Plan approved by FDEP April 20, 2007	1960's - present
SWMU#100	Area South of K7-516	RFI Work Plan approved by FDEP May, 2008	Unknown
SWMU#101	Processing Control Center Area, K6-1094, (formerly PRL#145)	RFI Work Plan approved by FDEP February 18, 2008	1992 - present
SWMU#102	Propellants Support Building Area, K7-416B (formerly PRL #162)	CS Report/RFI Work Plan Work approved by FDEP July 29, 2008	1967 - present

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<b>A.2. List of SWMUs/AOCs/PRLs requiring a Site Assessment (a/k/a RCRA Facility Investigation [RFI] or a Risk Assessment):</b>			
SWMU#103	Transporter/Canister Rotation Facility, M7-777 (formerly PRL #158)	CS Report/RFI Work Plan Work approved by FDEP October 8, 2008	1993 - present
SWMU #104	KSC Headquarters Building Area, M6-399 (formerly PRL #146)	CS Work Plan approved by FDEP August 16, 2006	1965 - present
PRL#157	Fuel Storage Area #1 Underground Storage Tank (1044)	Petroleum Site regulated under Chapter 62-770, F.A.C	1985 - present
<b>A.3. List of SWMUs/AOCs/PRLs requiring a Remedial Action Plan or Natural Attenuation with Monitoring Plan (a/k/a Corrective Measures Study [CMS]):</b>			
SWMU/AOC/ PRL Number/Letter	SWMU/AOC/ PRL Name	Dates of Operation	Potentially Affected Media
SWMU #8	Launch Complex 39A (includes SWMUs 46, 47, 48, 49, 50, and 51)	1966 - Present	Groundwater, soil, and sediment
SWMU#37	Former Drum Storage Area, J7-2112	1965 -present	Groundwater
SWMU#82	Communications, Maintenance & Storage (M6-0791)	1964 - present	Groundwater
SWMU#84	KARS Park 1 (formerly PRL#117)	1963 - present	Soil and Groundwater
SWMU#88	Supply Warehouse #3 (M6-0891)	1967 - present	Groundwater
SWMU#90	Hypergol Module Facility North, M7-0961, (formerly PRL#118)	1964 - present	Soil & Groundwater
SWMU#93	Citgo Service Station (M6-0596)	1967-present	Groundwater
SWMU#95	General Services Administration Seized Property, M6-0880, (formerly PRL #130)	1989 - present	Groundwater
SWMU # CC054	Launch Complex 34 (Facility 21934)	1961- 1998	Groundwater

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<b>A.4. List of SWMUs/AOCs/PRLs implementing a Remedial Action Plan or Natural Attenuation with Monitoring Plan (a/k/a Corrective Measures Study [CMS]):</b>	
<b>SWMU/AOC/ PRL Number/Letter</b>	<b>SWMU/AOC/PRL Name</b>
SWMU#1	Wilson Corners (HS-1633)
SWMU#3	Ransom Road Landfill
SWMU#4	Orsino Storage Yard (M6-895)
SWMU#7	Hydrocarbon Burn Facility
SWMU#9	Launch Complex 39B - Includes SWMUs 32 (formerly PRL # 46), 52, 53, 61, and 62
SWMU#10	General Storage Area Reclamation Yard
SWMU#13	General Service Administration Vehicle Maintenance Facility - includes Battery Acid Dump Site #1
SWMU#14	M&O Building (M6-0486) - includes Battery Acid Dump Site #2 and SWMU # 24a
SWMU#15	Contractors Road Acid Dump Site – made part of SWMU#55
SWMU#16	Sewage Treatment Plant (STP) #15 – made part of SWMU#55
SWMU#21	Ransom Road Sandblast Yard - includes STP-14, PRL# 86b
SWMU#30	Component Cleaning Facility
SWMU#31	Printed Circuit Board Shop- made part of SWMU#55
SWMU#32	LC-39B Compressor Building – made part of SWMU#9
SWMU#33	LC 398 MEK Spill – made part of SWMU#9
SWMU#35	VAB Utility Annex (K6-0947)
SWMU#39	Building M7-0505
SWMU#43	East Crawler Park Sit (K7-0188)e
SWMU#44	West Crawler Park Site, K6-0743 - includes South Crawler Park Site, PRL # 84

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<b>A.4. List of SWMUs/AOCs/PRLs implementing a Remedial Action Plan or Natural Attenuation with Monitoring Plan (a/k/a Corrective Measures Study [CMS]):</b>	
<b>SWMU/AOC/ PRL Number/Letter</b>	<b>SWMU/AOC/PRL Name</b>
SWMU#45	Central Heat Plant, M6-0595 - includes Cooling Tower Discharge Area, PRL #69
SWMU#46	LC-39A Deluge Basin (Tank) - made part of SWMU #8
SWMU#47	LC-39A Compressor Building, J8-1659 - made part of SWMU #8
SWMU#48	LC-39A Fuel Farm, J8-1906 - made part of SWMU #8
SWMU#49	LC-39A Oxidizer Farm, J8-1862 - made part of SWMU #8
SWMU#50	LC-39A ECS Site, J8-1708C - made part of SWMU #8
SWMU#51	LC-39A HVAC Facility, J8-1708G - made part of SWMU #8
SWMU#52	LC-39B ECS Site, J7-286 - made part of SWMU #9
SWMU#53	LC-39B HVAC Facility, J7-337C - made part of SWMU #9
SWMU#55	Contractors Road Heavy Equipment Area (Includes SWMUs #15, #16, #31)
SWMU#56	Mobile Launch Platform Park Sites/Vehicle Assembly Building Area – includes SWMUs # 80, #83; groundwater from SWMUs #72 and #74, and PRL#24c,
SWMU#61	LC-39B Fuel Farm, J7-534 - made part of SWMU #9
SWMU#62	LC-39B Oxidizer, J7-490 - made part of SWMU #9
SWMU#64	Suspect Rail Car Siding
SWMU#65	Hypergol Support Bldg, M7-1061, (formerly PRL#79)
SWMU#66	C-5 Electrical Substation Facility, K6-1141, (formerly PRL#75)
SWMU#67	POL Area, M6-894 (formerly PRL #90)
SWMU#68	Jay-Jay Railroad Yard (H2-1245)

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<b>A.4. List of SWMUs/AOCs/PRLs implementing a Remedial Action Plan or Natural Attenuation with Monitoring Plan (a/k/a Corrective Measures Study [CMS]):</b>	
<b>SWMU/AOC/ PRL Number/Letter</b>	<b>SWMU/AOC/PRL Name</b>
SWMU#69	Firex Water Tank, M7-1362A, (formerly PRL#82)
SWMU#70	Hypergol Module Facility South Hazardous Waste Staging Area, M7-1410 (formerly PRL #94)
SWMU#71	Wilson's Railroad Yard (formerly PRL # 91)- includes PRL#38
SWMU#72	Orbiter Processing Facilities 1 & 2 (formerly PRL # 103) – groundwater made part of SWMU #56
SWMU#74	KSC Press Site, K7-1205 (formerly PRL # 102) - groundwater made part of SWMU #56
SWMU#75	Former Engineering Development Bldg, L5-683, L5-734 (formerly PRL# 88)
SWMU#76	Operations and Checkout Bldg (O & C), M7-355, (formerly PRL #110)
SWMU#79	Environmental Health Facility, L7-1557, (formerly PRL #105)
SWMU#81	SFOC Generator Maintenance Facility, (formerly PRL#80)
SWMU#85	Engineering Development Laboratory, M7-0409, (formerly PRL#111)
SWMU#86	Spaceflight Tracking and Data Network Station, M5-1494, (formerly PRL#73)
SWMU#88	Supply Warehouse #3, M6-0891, (formerly part of SWMU#82)
SWMU#92	Central Supply Warehouse ,M6-0744, (formerly PRL#121)
SWMU#94	Payload Hazardous Servicing Facility, M7-1354, (formerly PRL#116)
SWMU#96	Orsino Power Substation, M6-0996, (formerly PRL#131)
PRL#51	Launch Equipment Shop (K6-1247)

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**A.5. List of SWMUs/AOCs/PRLs at which Site Rehabilitation Completion Determinations without controls have been made:**

SWMU/AOC/PRLs Number/Letter	SWMU/AOC/PRLs Name	Unit Comment and Basis for NFA
SWMU#5	Flight Crew Rescue Training Area	NFA approved by FDEP September 20, 2000, following a RCRA Facility Investigation
SWMU#40	Thermal Protection Facility, K6-794 - 500 gallon Wastewater Tank	SRCO/NFA approved by FDEP June 6, 2008 following a soil interim measure
SWMU#87	Oak Hill Grove Site (formerly PRL#98)	NFA approved by FDEP September 12, 2005, following a soil interim measure
PRL#61	Spacecraft Assembly Encapsulation Facility 2 (M7-1210)	NFA approved by FDEP August 29, 2005, following a soil interim measure
PRL#99	Launch Umbilical Tower (LUT) 1 Storage Area	NFA approved by FDEP June 29, 2007, following a soil interim measure
PRL#119	Hypergol Support Building South (M7-1061)	NFA approved by FDEP October 30, 2006, following a soil interim measure
PRL#124	BellSouth North (M6-0039)	SRCO/NFA approved by FDEP June 6, 2008, following a soil interim measure
PRL#125	BellSouth South (M6-0138)	SRCO/NFA approved by FDEP June 6, 2008, following a soil interim measure
PRL#137	Wastewater Treatment Facility	SRCO/NFA approved by FDEP July 3, 2008, following a soil interim measure
PRL#124	BellSouth North (M6-0039)	SRCO/NFA approved by FDEP June 6, 2008, following a soil interim measure
PRL #USAF90	Tel IV Central Telemetry Station	NFA approved by FDEP February 19, 2001, following a soil interim measure

**A.6. List of SWMUs/AOCs/PRLs at which Site Rehabilitation Completion Determinations with controls have been made:**

SWMU/AOC/PRLs Number/Letter	SWMU/AOC/PRLs Name	Unit Comment and Basis for NFA
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There are no units identified at this time at which Site Rehabilitation Completion Determinations with controls have been made.

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**A.7. List of SWMUs/AOCs/PRLs where no further action determinations have been made based on no suspected or confirmed contamination:**

SWMU/AOC/PRLs Name	Unit Comment and Basis for NFA
SWMU#2/ Schwartz Road Landfill	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#6/ Hypergol Fire Training Area	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU# 11/ Solid Waste Incinerator	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU# 12/ Industrial Boiler for Waste Oil (Central Heat Plant-Boiler #3)	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU# 17/ Sewage Treatment Plant (STP) #4	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#18/ Sewage Treatment Plant (STP) #1	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#19/ Sewage Treatment Plant (STP)#10	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#22/ Schwartz Road Sandblast Area	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#23/ Parachute Facility	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#24a/ Oil/Water Separators - Base Support Building	Made part of SWMU #14 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#24b/ Oil/Water Separators - Generator Operations Shop	Made part of PRL #115 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#24c/ Oil/Water Separators - VAB Utility Annex	Made part of SWMU#56 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#24d/ Oil/Water Separators - made part of Spaceport Diesel Petroleum Investigation	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#25/ K7-165, Hazardous Waste Facility	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#26/ M7-1361, Hazardous Waste Storage Facility	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#27/90-day Accumulation Sites	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#28/ Satellite Accumulation Areas	Prior NFA listing on Operating Permit # 002608/HO/001

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<b>A.7. List of SWMUs/AOCs/PRLs where no further action determinations have been made based on no suspected or confirmed contamination:</b>	
<b>SWMU/AOC/PRLs Name</b>	<b>Unit Comment and Basis for NFA</b>
SWM #29a/ Other Sewage Treatment Plants –STP-5	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#29b/ Other Sewage Treatment Plants - STP-6	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#33/ LC 398 MEK Spill	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#34/ Contractors Road Sandblast Area	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#38/ Canister Rotation Facility, M7-777 - Industrial Wastewater Tank	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#46/ LC-39A Deluge Basin (Tank)	Made part of SWMU #8 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#47/ LC-39A Compressor Building, J8-1659	Made part of SWMU #8 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#48/ LC-39A Fuel Farm, J8-1906	Made part of SWMU #8 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU# 49/ LC-39A Oxidizer Farm, J8-1862	Made part of SWMU #8 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU# 50/ LC-39A ECS Site, J8-1708C	Made part of SWMU #8 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#51/ LC-39A HVAC Facility, J8-1708G	Made part of SWMU #8 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU# 52/ LC-39B ECS Site,	Made part of SWMU #9 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#53/ LC-39B HVAC Facility	Made part of SWMU #9 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#61/ LC-39B Fuel Farm	Made part of SWMU #9 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#62/ LC-39B Oxidizer Farm	Made part of SWMU #9 - Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#40/ Thermal Protection Facility, K6-794 - 500 gallon Wastewater Tank	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#41/ Components Refurbishment & Chemical Analysis Facility, K6-1964-Process Waste Water Tanks	Prior NFA listing on Operating Permit # 002608/HO/001
SWMU#63/ Old Rifle Range	Prior NFA listing on Operating Permit # 002608/HO/001

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<b>A.7. List of SWMUs/AOCs/PRLs where no further action determinations have been made based on no suspected or confirmed contamination:</b>	
<b>SWMU/AOC/PRLs Name</b>	<b>Unit Comment and Basis for NFA</b>
SWMU#73/ Road & Grounds Facility (formerly PRL#100)	NFA approved by FDEP July 22, 2007
SWMU#80/ Former Saturn V Rocket Display, (formerly PRL #101)	NFA approved by FDEP December 16, 2002; Groundwater made part of SWMU #56
SWMU#83/ Orbiter Processing Facility #3 (formerly PRL#103)	NFA approved by FDEP May 26, 2005; Groundwater made part of SWMU #56
PRL#36/ GSA North Fuel Facility	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#37/ M&O Fuel Facility	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#38/ Former U.S.F.W.S Fuel Facility	Made part of SWMU #71 - Prior NFA listing on Operating Permit # 002608/HO/001
PRL#39/ OMRP #3 Spill	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#40/ Payload Hazardous Servicing Facility Spill	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#41/ Old Bus Maintenance Facility	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#42/ S-Band Tank	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#43/ LC - 39B Transformer Pad Spill, 37-1388	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#44/ Environmental Health Facility, L7-1557C- Tank	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#45/ CCAFS Administration Building, Building 1385	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#46/ LC-39B Compressor Spill	Made part of SWMU #9 - Prior NFA listing on Operating Permit # 002608/HO/001
PRL#47/ LC-39B Remote Air Intake Building, J7-432	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#48/ LC-39B RP-1 Facility, J7-292	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#49/ C-5 Emergency Power Station, K6-1091	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#50/ Payload Hazardous Servicing Facility Spill, M7-1354	Prior NFA listing on Operating Permit # 002608/HO/001

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<b>A.7. List of SWMUs/AOCs/PRLs where no further action determinations have been made based on no suspected or confirmed contamination:</b>	
<b>SWMU/AOC/PRLs Name</b>	<b>Unit Comment and Basis for NFA</b>
PRL#52/ VAB Repeater Station, K6-1193	Cleanup under Chapter 62-770 - Prior NFA listing on Operating Permit # 002608/HO/001
PRL#53/ VAB Safe Haven, K6-743	Cleanup under Chapter 62-770 - Prior NFA listing on Operating Permit # 002608/HO/001
PRL#54/ LC-39B, J7-243	Cleanup under Chapter 62-770 - Prior NFA listing on Operating Permit # 002608/HO/001
PRL#55/ OPF-1 &2 Fuel Spill, K6-894	Made part of SWMU #72 - Prior NFA listing on Operating Permit # 002608/HO/001
PRL#56/ GSA Automotive Facility, M6-689	Made part of SWMU # 10 - Prior NFA listing on Operating Permit # 002608/HO/001
PRL#57a/ Roberts Road Agricultural Shed	Made part of SWMU # 97
PRL#57b/ Jerome Road Agricultural Shed	Made part of SWMU # 97 (investigated as PRL#81j)
PRL#58/ LC-39A Remote Air Intake Building, J8-1735	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#59/ Ordnance Lab #2, M7-1417	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#62/ Shuttle Landing Facility Midfield Park Site	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#63/ STP #1 Sludge Disposal Area	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#64/ Central Instrumentation Facility (CIF) Cooling Tower Discharge Area	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#65/ Operations & Checkout ( O & C) Bldg Cooling Tower Discharge Area	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#66/ Engineering Development Laboratory (EDL) Cooling Tower Discharge Area	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#67/ Vertical Processing Facility (VPF) Cooling Tower Discharge Area	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#68/ Parachute Refurbishment Facility (PRF) Cooling Tower Discharge Area	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#69/ Central Heat Plant Cooling Tower	Made part of SWMU #45
PRL#70/ Operations Support Building (OSB) Cooling Tower Discharge Area	Prior NFA listing on Operating Permit # 002608/HO/001

PERMITTEE: John F. Kennedy Space Center  
 Environmental Program Branch  
 NASA, Mail Code: TA- C3  
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 ISSUANCE DATE: January 6, 2009  
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<b>A.7. List of SWMUs/AOCs/PRLs where no further action determinations have been made based on no suspected or confirmed contamination:</b>	
<b>SWMU/AOC/PRLs Name</b>	<b>Unit Comment and Basis for NFA</b>
PRL#71a/ Vehicle Assembly Building (VAB) Utility Annex Cooling Tower Discharge Area-1	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#71b/ Vehicle Assembly Building (VAB) Utility Annex Cooling Tower Discharge Area	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#72/ SRB-ARF Cooling Tower Discharge Area	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#74 Non-Destructive Evaluation Laboratory,	NFA approved by FDEP August 13,2004
PRL#76/ Launch Equipment Test Facility (LETE) Runoff Pond	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#77a/ Sludge Disposal Areas - O&C Front Lawn	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#77b/ Sludge Disposal Areas - CIF Front Lawn	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#77c/ Sludge Disposal fleas - Crawlerway Residual Area	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#78/ Contractor Support Building #7	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81a/ Old Service Station Tank – Anderson’s Gulf Station & Grocery Store	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81b/ Old Service Station Tanks – Kuhl’s Fish Camp	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81c/ Old Service Station Tanks – Hazelwood’s Place	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81d/ Old Service Station Tanks – Bair’s Cove	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81e/ Old Service Station Tanks – Banana Creek Fish Camp	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81f/ Old Service Station Tanks – Beacon 42 Fish Camp	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81g/ Old Service Station Tanks – Brittain Grocery	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81h/ Old Service Station Tanks – Allenhurst Haulover Canal Service Station	Prior NFA listing on Operating Permit # 002608/HO/001

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<b>A.7. List of SWMUs/AOCs/PRLs where no further action determinations have been made based on no suspected or confirmed contamination:</b>	
<b>SWMU/AOC/PRLs Name</b>	<b>Unit Comment and Basis for NFA</b>
PRL#81i/ Old Service Station Tanks – Indian Head Motel	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81k/ Old Service Station Tanks – Lloyd’s Place	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81l/ Old Service Station Tanks – McCosh Grocery and Service Station	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81m/ Old Service Station Tanks – Merrifield;s and Elk Service Station	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81n/ Old Service Station Tanks – Orsino Post Office	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81o/ Old Service Station Tanks – Shiffler’s Standard Oil Station	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81p/ Old Service Station Tanks – Shiloh Service Station	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81q/ Old Service Station Tanks – Titusville Beach Service Station	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#81r/ Old Service Station Tanks – KARS Park 2	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#83/ Water & Waste Support Building	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#84/ South Crawler Park Site	Made part of SWMU #44
PRL#85/Spaceport USA Cooling Tower,	NFA approved by FDEP May 29, 2002
PRL#86a/ Industrial Area Sewage Treatment Ponds - STP-2	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#86c/ Industrial Area Sewage Treatment Ponds - STP-16	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#87a/ Abandoned LC-39 Sewage Treatment Ponds - STP-9	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#87b/ Abandoned LC-39 Sewage Treatment Ponds - STP-17	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#89/ Industrial Area Boiler Discharge Area (HMF Heat Plant)	Prior NFA listing on Operating Permit # 002608/HO/001

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<b>A.7. List of SWMUs/AOCs/PRLs where no further action determinations have been made based on no suspected or confirmed contamination:</b>	
<b>SWMU/AOC/PRLs Name</b>	<b>Unit Comment and Basis for NFA</b>
PRL#92/ Support Building, F5-2151	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#93/ USBI Assembly and Refurbishment	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#95/ Shuttle Landing Facility South Area	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#96/Prototype Shop Building, M7-581	NFA approved by FDEP June 6, 2005
PRL#97/Contractor Road Railroad Site	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#106/Multi-Payload Processing Facility, M7-1104	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#107/Merritt Island National Wildlife Refuge (MINWR) Maintenance Facility	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#108/SAEF II Cooling Tower Discharge Area	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#112/Central Instrumentation Facility, M6-342	NFA approved by FDEP August 18,2005
PRL#113/ Parachute Refurbishment Facility, M7-657	NFA approved by FDEP December 7, 2004
PRL#114a/KSC Background Study Location – SSC054	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#114b/ KSC Background Study Location – DUNE61	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#114c/ KSC Background Study Location – MARSH 4S	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#114d/ KSC Background Study Location – WEST – 3D	Prior NFA listing on Operating Permit # 002608/HO/001
PRL#115/ Generator Operations Shop,K5-1446 (includes SWMU #24b)	NFA approved by FDEP August 18, 2005
PRL#120 /Ordnance Storage, M7-1472	NFA approved by FDEP June 16, 2005
PRL#123/ Payload Ground Operations Contract Supply Warehouse, M6-698	NFA approved by FDEP September 21, 2006

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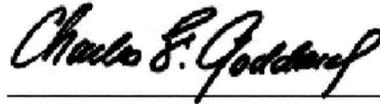
<b>A.7. List of SWMUs/AOCs/PRLs where no further action determinations have been made based on no suspected or confirmed contamination:</b>	
<b>SWMU/AOC/PRLs Name</b>	<b>Unit Comment and Basis for NFA</b>
PRL#127/ Water & Waste Support Building, M7-555	NFA approved by FDEP August 17, 2005
PRL#128/ Visitor Complex, M6-409	NFA approved by FDEP November 26, 2006
PRL#132/ Heavy Equipment Storage Area, M6-798	NFA approved by FDEP August 24, 2006
PRL#133/ Payload Maintenance Facility, M7-453	NFA approved by FDEP February 24, 2006
PRL#134/ Technical Records Center, M6-489	NFA approved by FDEP November 16, 2006
PRL#135 Film Storage Building Area, M6-639	NFA approved by FDEP April 19, 2007
PRL#136/ Vehicle Loading & Unloading Ramp, M7-651	NFA approved by FDEP April 9, 2007
PRL#138/ Occupational Health Facility, M6-495C	NFA approved by FDEP August 16, 2006
PRL#140/ KARS Park 2, M6-493	NFA approved by FDEP March 6, 2007
PRL#141/Industrial Area Support Building, M6-493	NFA approved by FDEP November 20, 2007
PRL#151/ Indian & Banana River Bridges, M3-3 & M7-1150	NFA approved by FDEP June 14, 2007
PRL#152/ Hypergol Maintenance Facility Support Building #2, M7-1059	NFA approved by FDEP July 23, 2007
PRL#156/ Liquid Oxygen Impact Test Cell, M7-1509	NFA approved by FDEP April 8, 2008
PRL#159/ Weather Equipment Building 509, L6-75	NFA approved by FDEP November 29, 2007
PRL #165/ PCB Waste Storage Building Area, K7-115	Part of Operating Permit # 002608/HO/001

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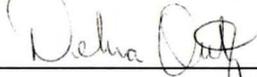
STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



**CHARLES F. GODDARD, CHIEF  
BUREAU OF SOLID AND HAZARDOUS WASTE**

Filing and Acknowledgment

Filed on this date, pursuant to Section 120.52, Florida Statutes, with the designated Clerk, receipt of which is acknowledged.



CLERK

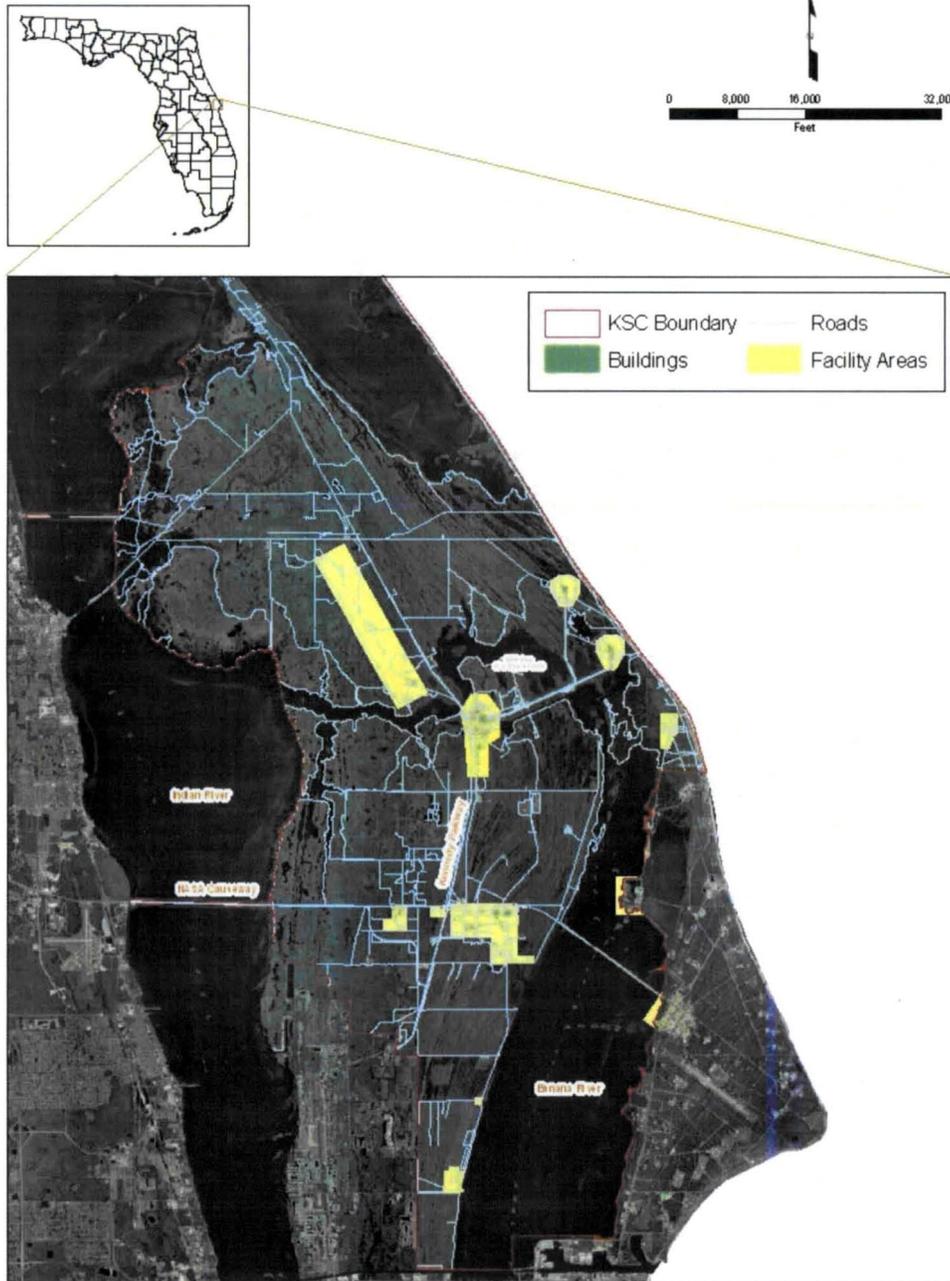
January 6, 2009

DATE

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Environmental Program Branch  
NASA, Mail Code: TA- C3  
Kennedy Space Center, Florida 32899

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### ATTACHMENT 1 – MAP OF KENNEDY SPACE CENTER



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**ATTACHMENT 2 – LIST OF STORED HAZARDOUS WASTE**

Hazardous Waste Code	Annual Quantity (kg)		Hazardous Waste Code	Annual Quantity (kg)		Hazardous Waste Code	Annual Quantity (kg)		Hazardous Waste Code	Annual Quantity (kg)	
D001	35000		D031	50		P009	50		P042	50	
D002	80000		D032	50		P010	50		P043	50	
D003	1000		D033	50		P011	50		P044	50	
D004	10000		D034	50		P012	50		P045	50	
D005	36000		D035	16000		P013	50		P046	50	
D006	49000		D036	50		P014	50		P047	50	
D007	62000		D037	50		P015	50		P048	50	
D008	52000		D038	50		P016	50		P049	50	
D009	1200		D039	8700		P017	50		P050	50	
D010	7000		D040	31000		P018	50		P051	50	
D011	5000		D041	50		P020	50		P054	50	
D012	50		D042	50		P021	50		P055	50	
D013	50		D043	18000		P022	50		P056	50	
D014	50		F001	4700		P023	50		P057	50	
D015	50		F002	5400		P024	50		P058	50	
D016	50		F003	14300		P025	50		P059	50	
D017	50		F004	50		P026	50		P060	50	
D018	6300		F005	15000		P027	50		P062	50	
D019	6300		F006	50		P028	50		P063	50	
D020	50		F019	50		P029	50		P064	50	
D021	1600		F027	50		P030	50		P065	50	
D022	50					P031	50		P066	50	
D023	200		P001	50		P033	50		P067	50	
D024	50		P002	50		P034	50		P068	300	
D025	50		P003	50		P036	50		P069	50	
D026	50		P004	50		P037	50		P070	50	
D027	50		P005	50		P038	50		P071	50	
D028	2500		P006	50		P039	50		P072	50	
D029	2500		P007	50		P040	50		P073	50	
D030	50		P008	50		P041	50		P074	50	

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Hazardous Waste Code	Annual Quantity (kg)		Hazardous Waste Code	Annual Quantity (kg)		Hazardous Waste Code	Annual Quantity (kg)		Hazardous Waste Code	Annual Quantity (kg)	
P075	50		P113	50		U003	50		U033	50	
P076	50		P114	50		U004	50		U034	50	
P077	50		P115	50		U005	50		U035	50	
P078	300		P116	50		U006	50		U036	50	
P081	50		P118	50		U007	50		U037	50	
P082	50		P119	50		U008	50		U038	50	
P084	50		P120	50		U009	50		U039	50	
P085	50		P121	50		U010	50		U041	50	
P087	50		P122	50		U011	50		U042	50	
P088	50		P123	50		U012	50		U043	50	
P089	50		P127	50					U044	50	
P092	50		P128	50		U014	50		U045	50	
P093	50		P185	50		U015	50		U046	50	
P094	50		P188	50		U016	50		U047	50	
P095	50		P189	50		U017	50		U048	50	
P096	50		P190	50		U018	50		U049	50	
P097	50		P191	50		U019	50		U050	50	
P098	50		P192	50		U020	50		U051	50	
P099	50		P194	50		U021	50		U052	50	
P101	50		P196	50		U022	50		U053	50	
P102	50		P197	50		U023	50		U055	50	
P103	50		P198	50		U024	50		U056	50	
P104	50		P199	50		U025	50		U057	50	
P105	50		P201	50		U026	50		U058	50	
P106	50		P202	50		U027	50		U059	50	
P108	50		P203	50		U028	50		U060	50	
P109	50		P204	50		U029	50		U061	50	
P110	50		P205	50		U030	50		U062	50	
P111	50		U001	50		U031	50		U063	50	
P112	50		U002	50		U032	50		U064	50	

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Hazardous Waste Code	Annual Quantity (kg)		Hazardous Waste Code	Annual Quantity (kg)		Hazardous Waste Code	Annual Quantity (kg)		Hazardous Waste Code	Annual Quantity (kg)	
U065	50		U095	50		U127	50		U157	50	
U066	50		U096	50		U128	50		U158	50	
U067	50		U097	50		U129	50		U159	600	
U068	50		U098	50		U130	50		U114	50	
U069	50		U099	50		U131	50		U115	50	
U070	50		U101	50		U132	50		U116	50	
U071	50		U102	50		U133	50		U117	50	
U072	50		U103	50		U134	50		U118	50	
U073	50		U105	50		U135	50		U119	50	
U074	50		U106	50		U136	50		U120	50	
U075	600		U107	50		U137	50		U121	600	
U076	50		U108	50		U138	50		U122	50	
U077	50		U109	50					U123	50	
U078	50		U110	50		U140	50		U124	50	
U079	50		U111	50		U141	50		U125	50	
U080	800		U112	50		U142	50		U126	50	
U081	50		U113	50		U143	50		U127	50	
U082	50		U114	50		U144	50		U128	50	
U083	50		U115	50		U145	50		U129	50	
U084	50		U116	50		U146	50		U130	50	
U085	50		U117	50		U147	50		U131	50	
U086	50		U118	50		U148	50		U132	50	
U087	50		U119	50		U149	50		U133	200	
U088	50		U120	50		U150	50		U134	50	
U089	50		U121	50		U151	50		U135	50	
U090	50		U122	50		U152	50		U136	50	
U091	50		U123	50		U153	50		U137	50	
U092	50		U124	50		U154	50		U138	50	
U093	50		U125	50		U155	50		U139	50	
U094	50		U126	50		U156	50		U140	50	

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U141	50	U172	50	U207	50	U238	50
U142	50	U173	50	U208	50	U239	50
U143	50	U174	50	U209	50	U240	50
U144	50	U176	50	U210	600	U243	50
U145	50	U177	50	U211	50	U244	50
U146	50	U178	50			U246	50
U147	50	U179	50	U213	50	U247	50
U148	50	U180	50	U214	50	U248	50
U149	50	U181	50	U215	50	U249	50
U150	50	U182	50	U216	50	U271	50
U151	50	U183	50	U217	50	U278	50
U152	50	U184	50	U218	50	U279	50
U153	50	U185	50	U219	50	U280	50
U154	50	U186	50	U220	50	U328	50
U155	50	U187	50	U221	50	U353	50
U156	50	U188	50	U222	50	U359	50
U157	50	U189	50	U223	50	U364	50
U158	50	U190	50			U367	50
U159	50	U191	50	U225	50	U372	50
U160	50	U192	50	U226	600	U373	50
U161	50	U193	50	U227	50	U387	50
U162	50	U194	50	U228	50	U389	50
U163	50	U196	50			U394	50
U164	50	U197	50			U395	50
U165	50	U200	50			U404	50
U166	50	U201	50				
U167	50	U202	50			U409	50
U168	50	U203	50	U234	50	U410	50
U169	50	U204	50	U235	50	U411	50
U170	50	U205	50	U236	50	Universal Waste	7200
U171	50	U206	50	U237	50		

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**ATTACHMENT 3 – SCHEDULE OF COMPLIANCE**

<b>Schedule of Compliance</b>	<b>Due Date</b>
Non-Compliance/Imminent Hazard Report	Oral within 24 hours and written within 15 calendar days of becoming aware of the hazardous circumstances
Notification of Newly Identified SWMUs, PRLs and AOCs	Within 15 Calendar Days of Discovery
SWMU Assessment Report (SAR) – This schedule of compliance condition is not the same as the Site Assessment Report required pursuant to 62-780 F.A.C.	Within 180 calendar days of notification by the Department or the timeframe established in the letter from the Department, which notifies that a SAR is necessary
Notification of Newly Discovered Releases at Previously Identified SWMUs and AOCs	Within 15 calendar days of discovery
CS Work Plan for SWMUs, PRLs or AOCs Identified in Appendix A.1.	In accordance with the latest CAMP approved by the Department.
CS Work Plan as Required Based on the Results of a SAR for any newly discovered SWMUs, AOCs or PRLs	Within the time period established in the letter from the Department, which notifies that a CS is necessary or within 120 calendar days if a time frame is not provided by letter
CS Report	In accordance with the approved CS Work Plan or latest CAMP approved by the Department
RCRA Facility Investigation (RFI) Work Plan for SWMUs, AOCs and PRLs identified in Appendix A.2.	In accordance with the latest CAMP approved by the Department
RFI Work Plan for SWMUs, AOCs and PRLs that require further investigation based on a determination by the Department.	Within the time established in the notification letter from the Department that identifies which SWMUs, AOCs or PRLs require an RFI, or within 180 calendar days if a timeframe is not provided
Draft RFI Report	In accordance with the latest CAMP approved by the Department
Final RFI Report	Within 90 calendar days after receipt of the Department's final comments on the Draft RFI Report, or in accordance with the latest CAMP approved by the Department
RFI Progress Reports	Quarterly, beginning 90 calendar days from the start date specified by the Department*

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 EXPIRATION DATE: August 29, 2012

Schedule of Compliance	Due Date
Interim Measures (IM) Work Plan	In accordance with the latest CAMP approved by the Department, or within the time established by letter from the Department, or within 180 calendar days from Departmental notification calling for an IM Work Plan
IM Progress Report	In accordance with the approved IM Work Plan†, or semiannually for a Permittee-initiated IM action‡
IM Report	Within 90 calendar days of completion
CMS Work Plan	In accordance with the latest CAMP approved by the Department, or within the time established by letter from the Department, or within 180 calendar days from Departmental notification calling for a CMS Work Plan
Implementation of CMs Work Plan	In accordance with the schedule in the approved CMS Work Plan
Draft CMS Report	In accordance with the schedule in the approved CMS Work Plan
Final CMS Report	Within 90 calendar days of the Department's final comments on the Draft CMS Report
Statement of Basis	In accordance with the latest CAMP approved by the Department, or within the time established by letter from the Department, or within 180 calendar days from Departmental notification calling for a Statement of Basis
Draft Corrective Measures Design (CMD) and Document Drawings	Within 180 calendar days of the effective date of the permit modification for remedy selection, or within the time frame established by the permit modification for remedy selection
Final CMD Report	Within 90 calendar days of the Department's final comments on the Draft CMD report
Written report of non-compliance of tanks, surface impoundments or containers with 40 C.F.R. 264.1082(c)(1), (c)(2)	Within 15 calendar days of discovering non-compliance
The above reports must be signed and certified in accordance with the requirements of 40 C.F.R 270.11 and Rule 62-730.220(2) F.A.C.	
* This part applies to Work Plan execution requiring more than 180 calendar days,	
† This part applies to Work Plan execution requiring more than one year,	
‡ Updates provided during Kennedy Space Center Remediation Team meeting will meet the time frame , scheduling and progress reporting requirements stipulated in this attachment.	