

**I. MODULE I - STANDARD PERMIT CONDITIONS**

**I.A. EFFECT OF PERMIT**

- I.A.1. The Permittee is allowed to store hazardous waste in containers at the ATK Launch Systems Incorporated, Bacchus Facility - Plant 1, in accordance with the conditions of this Permit. The facility owner is Northrop Grumman Innovation Systems, Inc. and the facility operator is ATK Launch Systems, Inc., a wholly owned subsidiary of Northrop Grumman Innovation Systems, Inc. Any storage, treatment or disposal of hazardous waste not authorized in this Permit, is prohibited.
- I.A.2. Compliance with this Permit, during its term, constitutes compliance for purposes of enforcement with applicable sections of R315 of Utah Administrative Code (Utah Admin. Code) only for those management practices specifically authorized by this Permit.
- I.A.3. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations.
- I.A.4. This Permit has been developed in accordance with the applicable requirements of R315 of the Utah Admin. Code. All conditions within this Permit will supersede conflicting statements, requirements, or procedures found within R315 of the Utah Admin. Code or Attachments to this Permit.

**I.B. ENFORCEABILITY**

- I.B.1. Violation of this Permit may be considered a violation subject to Utah Code Annotated (UCA) 19-6-113.

**I.C. OTHER AUTHORITY**

- I.C.1. The Director expressly reserves all rights of entry provided by law and the authority to order or perform emergency or other response activities as authorized by law.

**I.D. PERMIT ACTIONS**

- I.D.1. This Permit may be modified, revoked and reissued, or terminated for cause, as specified in R315-124-5 and R315-270-43 of the Utah Admin. Code.
- I.D.2. The filing of a request for a Permit modification, revocation and reissuance or termination, or the notification of planned changes, requiring prior approval, or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any Permit condition.
- I.D.3. All Permit conditions supersede conflicting statements, requirements, or procedures found within the Attachments.
- I.D.4. If a conflict exists between conditions within this Permit, the most stringent condition, as determined by the Director shall be met.

I.D.5. The Director may modify this Permit in accordance with R315-270-41 of the Utah Admin. Code.

I.D.6. This Permit may be modified at the request of the Permittee in accordance with the procedures of R315-270-42 of the Utah Admin. Code.

I.D.7. In accordance with the Utah Code Annotated (UCA), Utah Solid and Hazardous Waste Act, 19-6-108(13), this Permit shall be reviewed no later than five years from the date of issuance or renewal and modified, if necessary.

**I.E. SEVERABILITY**

I.E.1. The provisions of this Permit are severable and if any provision, or the application of any provision to any circumstance, is held invalid, the application of such provision to other circumstances and the remainder of this Permit shall not be affected thereby. Invalidation of any state or federal statutory or regulatory provision which forms the basis for any condition of this Permit does not affect the validity of any other State or federal statutory or regulatory basis for said condition.

**I.F. DUTIES TO COMPLY**

I.F.1. The Permittee shall comply with all conditions of this Permit, except to the extent and for the duration such noncompliance is authorized by an Emergency Permit issued in accordance with R315-270-61 of the Utah Admin. Code. Any Permit noncompliance, other than noncompliance authorized by an Emergency Permit, constitutes a violation of the Utah Solid and Hazardous Waste Act, and is grounds for enforcement action, Permit modification, revocation and reissuance termination, or denial of a Permit renewal application, or a combination of an enforcement action and any of the other listed remedies.

I.F.2. Compliance with the terms of this Permit does not constitute a defense to any order issued or any action brought under Sections 3007, 3008, 3013, or 7003 of RCRA (42 U.S.C. Sections 6927, 6928, 6934 and 6973), Section 106(a), 104, or 107 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. 9606(a), 9604, and 9607, commonly known as CERCLA) as amended by the Superfund Amendments and Re-authorization Act of 1986 (SARA), or any other state or federal law providing for protection of human health or the environment from any imminent and substantial endangerment to human health or the environment.

**I.G. DUTY TO REAPPLY**

I.G.1. If the Permittee wishes to continue an activity allowed by this Permit after the expiration date of this Permit, the Permittee shall apply for a new Permit in accordance with R315-270-30 of the Utah Admin. Code a minimum of 180 calendar days prior to the expiration date.

**I.H. PERMIT EXPIRATION**

I.H.1. This Permit shall be effective for ten years from the date of issuance.

**I.I. CONTINUATION OF EXPIRING PERMIT**

I.I.1. This Permit, and all conditions herein, shall continue in force until the effective date of a new Permit, if the Permittee has submitted a timely and complete application under the applicable requirements of R315-270 and R315-124 of the Utah Admin. Code, and through no fault of the Permittee, the Director has neither issued nor denied a new Permit under R315-270-51 of the Utah Admin. Code on or before the expiration date.

**I.J. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE**

I.J.1. It shall not be a defense for the Permittee in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

**I.K. DUTY TO MITIGATE**

I.K.1. The Permittee shall take all reasonable steps to minimize releases of solid and hazardous wastes, hazardous waste constituents, and perchlorate salts to the environment and shall carry out such measures as are reasonable to prevent significant adverse impacts on human health or the environment.

**I.L. PROPER OPERATION AND MAINTENANCE**

I.L.1. The Permittee shall, at all times, properly operate and maintain all facilities, treatment systems and ancillary controls (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. This provision requires the operation of back-up or auxiliary equipment or similar systems when necessary to achieve compliance with this Permit.

**I.M. DUTY TO PROVIDE INFORMATION**

I.M.1. The Permittee shall furnish to the Director, within a reasonable time, any relevant information that the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Permit, or to determine compliance with this Permit. The Permittee shall also furnish to the Director upon request, copies of records required to be kept by this Permit.

**I.N. INSPECTION AND ENTRY**

I.N.1. Pursuant to the Utah Solid and Hazardous Waste Act, 19-6-109, the Permittee shall allow the Board, the Director, or its authorized officer, employee, or representative, upon the presentation of credentials and other documents, as may be required by law, to:

I.N.1.a. Enter, at any reasonable time, the Permittee's premises where a regulated facility or activity is located or conducted, or where records are kept as required by the conditions of this Permit;

- I.N.1.b. Have access to and copy of, at reasonable times, any records that are kept as required by the conditions of this Permit;
- I.N.1.c. Inspect, at reasonable times, any portion of the facility, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit;
- I.N.1.d. Sample or monitor, at reasonable times, for the purposes of assuring Permit compliance, or as otherwise authorized by the Utah Solid and Hazardous Waste Act, any substances or parameters at any location; and
- I.N.1.e. Make a record of the inspection by photographic, electronic, videotape, or any other reasonable medium.
- I.N.1.f. No audio recording devices shall be used without notice to all individuals in recording range prior to activation of the recording device. Photographic and video recording shall comply with the safety and security requirements of the Permittee to the extent those requirements are compatible with the Utah Solid and Hazardous Waste Act.

**I.O. MONITORING AND RECORDS**

- I.O.1. The Permittee shall retain records of all sampling, monitoring and waste analysis information, including calibration and maintenance records and, where applicable, all original strip chart recordings (or equivalent recordings) for continuous monitoring instruments, copies of all reports and records required by this Permit, the waste minimization certification required by R315-264-73 of the Utah Admin. Code and records of all data used to comply with the conditions of this Permit, including any and all data to support the human health and ecological risk assessments for cleanup and closure activities. All of the above referenced material shall be retained for a period of at least three years from the date of the sample, measurement, report, certification, or recording unless a longer retention period for certain information is required by other conditions of this Permit. The three-year period may be extended by the Director at any time by written notification to the Permittee. The retention times are automatically extended during the course of any unresolved enforcement action regarding the facility to three years beyond the conclusion of the enforcement action. Recordkeeping may be accomplished using original documents, xerographic copies, document replicas, electronic facsimiles, electronic disk, CD-ROM computer drive files, microfilm, microfiche, photograph, magnetic tape, or any other reasonable medium or similar recordkeeping technique. Any recordkeeping system shall be capable of reproducing complete, accurate, and legible records.
- I.O.2. Pursuant to R315-270-30(j)(3) of the Utah Admin. Code, records of monitoring information shall specify at a minimum:
  - I.O.2.a. The date(s), exact place, and times of sampling or measurements;
  - I.O.2.b. The name(s), title(s), and affiliation of individual(s) who performed the sampling or measurements;
  - I.O.2.c. The date(s) analyses were performed;

- I.O.2.d. The individual(s) who performed the analyses;
- I.O.2.e. The analytical techniques or methods used; and,
- I.O.2.f. The results of such analyses.
- I.O.3. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed shall be the appropriate method from R315-261-1090 of the Utah Admin. Code or an equivalent method approved by the Director. Laboratory methods shall be those specified in Test Methods for Evaluating Solid Waste: Physical/Chemical Methods SW-846 (prevailing edition, hereafter referred to as SW-846), or Standard Methods of Examination of Water and Wastewater (prevailing edition). Other alternate methods approved in this Permit, or an equivalent method, in accordance with Condition I.O.4. of this Permit will be allowed if approved by the Director.
- I.O.4. When requesting substitute or additional analytical methods, the Permittee shall submit to the Director a request for substitution of an analytical method(s) that is equivalent to the method(s) currently approved or listed in R315-260-21 of the Utah Admin. Code. The request shall provide information demonstrating that the proposed method(s) requested is equivalent or superior in terms of sensitivity, accuracy, and precision (e.g., reproducibility).
- I.O.5. This permit contains and refers to documents and forms on which information and data is recorded. The Permittee may reformat documents and forms as necessary to carry out administrative duties. Changes pertaining to a document or form shall only be changed in accordance with the provisions of Condition I.D.6.

**I.P. REPORTING PLANNED CHANGES**

- I.P.1. The Permittee shall give written notice to the Director prior to any planned physical alterations or additions to any Hazardous Waste Management Unit (HWMU) or system being permitted or previously permitted in accordance with R315-270-30(f) and R315-270-30(l) of the Utah Admin. Code. Any changes or physical alterations or additions to any HWMU shall be in accordance with Condition I.D.6. Planned physical alterations or additions shall include all changes in any hazardous or solid waste activities, and to any non-waste underground storage tanks regulated under R311-202 of the Utah Admin. Code. Neither construction nor operation of a new or modified HWMU shall begin unless the provisions of R315-124-5 of the Utah Admin. Code are met.

**I.Q. REPORTING ANTICIPATED NONCOMPLIANCE**

- I.Q.1. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity that may result in noncompliance with requirements of this Permit. Advance notice shall not constitute a defense for any noncompliance.

**I.R.                    CERTIFICATION OF CONSTRUCTION OR MODIFICATION**

- I.R.1.                The Permittee shall not commence storage, treatment, or disposal of hazardous waste in a new HWMU or in a modified portion of an existing permitted HWMU (except as provided in R315-270-42 of the Utah Admin. Code), until:
- I.R.1.a.            The Permittee has submitted to the Director:
- I.R.1.a.i.           A letter signed by the Permittee, and an independent Utah registered professional engineer qualified by experience and education in the appropriate engineering field, certifying that the unit(s) has been constructed or modified in compliance with this Permit; and
- I.R.1.a.ii.          As-built engineering drawings and specifications as appropriate; and
- I.R.1.a.iii.        The Director or designated representative has reviewed and inspected the modified or newly constructed unit(s) and has notified the Permittee in writing that the unit(s) was found to be in compliance with the conditions of this Permit; or
- I.R.1.a.iv.         If within 15 calendar days of the date of receipt of the letter required by Condition I.R.1.a.i., the Permittee has not received notice from the Director of the intent to inspect, a prior inspection is waived and the Permittee may commence treatment, storage, or disposal of hazardous waste in the permitted unit certified in accordance with Condition I.R.1.

**I.S.                    TRANSFER OF PERMIT**

- I.S.1.                This Permit may be transferred to a new owner or operator only if it is modified or revoked and reissued pursuant to R315-270-40 and R315-270-41(b)(2) of the Utah Admin. Code. Prior to transferring ownership or operation of the facility during its operating life, the Permittee shall notify the new owner or operator, in writing, of the requirements of R315-270 and R315-264 of the Utah Admin. Code, and this Permit. Failure by the Permittee to notify the new owner or operator of the requirements of R315-264 of the Utah Admin. Code and this Permit in no way relieves the new owner or operator of his obligation to comply with all applicable requirements of the Rules and this Permit.

**I.T.                    TWENTY-FOUR HOUR REPORTING**

- I.T.1.                In accordance with R315-270-30(1)(6)(i) of the Utah Admin. Code, the Permittee shall orally report to the Director any noncompliance with this Permit which may endanger human health or the environment. Any such information shall be reported as soon as possible, but not later than 24 hours from the time the Permittee becomes aware of the noncompliance. Reporting shall not constitute a defense for any noncompliance.
- I.T.2.                In accordance with R315-263-30(b) of the Utah Admin. Code, the Permittee shall orally report to the Director any spill of any hazardous waste or material which, when spilled becomes a hazardous waste if the spilled quantity exceeds 100 kilograms or a lesser amount if there is a potential for endangerment to human health or the environment, or exceeds 1 kilogram if the material and is an acute hazardous waste in accordance with

R315-263-30(b)(1) of the Utah Admin. Code. Any such information shall be reported as soon as possible, but not later than 24 hours from the spill occurrence.

- I.T.3. The Permittee shall orally report to the Director any spill that contains perchlorate that exceeds 100 gallons. Any such information shall be reported as soon as possible, but not later than 24 hours from the spill occurrence. Spills of perchlorate less than 100 gallons and greater than 10 gallons shall be evaluated and the occurrence of the spill entered into the operating record. Any spill that cannot be cleaned up to meet the USEPA RSL standards shall be reported as a new solid waste management unit.
- I.T.4. The oral report shall include, but not be limited to, the following:
- I.T.4.a. Information concerning the release of any hazardous waste or material which may endanger public drinking water supplies; and,
- I.T.4.b. Any information of a release or discharge of hazardous waste or material, fire, or explosion at the facility, which could threaten human health or the environment.
- I.T.4.c. The description of the occurrence and its cause shall include:
- I.T.4.c.i. Name, title, and telephone number of individual reporting;
- I.T.4.c.ii. Name, address, and telephone number of the owner or operator;
- I.T.4.c.iii. Name, address, and telephone number of the facility;
- I.T.4.c.iv. Date, time, and type of incident;
- I.T.4.c.v. Location and cause of incident;
- I.T.4.c.vi. Name and quantity of materials involved;
- I.T.4.c.vii. The extent of injuries, if any;
- I.T.4.c.viii. An assessment of actual or potential hazard to the environment and human health, when this is applicable;
- I.T.4.c.ix. Description of any emergency action taken to minimize a threat to human health and the environment;
- I.T.4.c.x. Estimated quantity and disposition of recovered material that resulted from the incident; and,
- I.T.4.c.xi. Any other information necessary to fully evaluate the situation and to develop an appropriate and applicable course of action.
- I.T.5. Within 15 days of the time the Permittee is required to provide the oral report, as specified in Conditions I.T.1. through I.T.4., the Permittee shall provide to the Director a written report.

- I.T.6. The written report shall include, but not be limited to, the following:
  - I.T.6.a. The name, title, address, and telephone number of the individual reporting;
  - I.T.6.b. A description including the date, time, location, and nature of the reported incident;
  - I.T.6.c. The extent of injuries, if any;
  - I.T.6.d. The name and quantity of material(s) involved in the spill;
  - I.T.6.e. An estimated quantity and disposition of recovered material;
  - I.T.6.f. An assessment of actual or potential hazards to human health and the environment, where this is applicable. The report shall also include whether or not the results of the incident remain a threat to human health and the environment (whether the noncompliance has been corrected and the release has been adequately cleaned up); and
  - I.T.6.g. If the release or noncompliance has not been adequately corrected or cleaned, the anticipated time that the noncompliance or remediation is expected to continue; the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance; and/or the steps taken or planned to adequately remediate the release.

**I.U. MONITORING RECORDS**

- I.U.1. Monitoring information shall be recorded and maintained as specified in Condition I.O.

**I.V. COMPLIANCE SCHEDULES**

- I.V.1. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 14 days following each scheduled date.

**I.W. MANIFEST DISCREPANCY REPORT**

- I.W.1. Manifest discrepancies shall be defined as differences between the quantity or type of hazardous waste designated on the manifest or shipping paper, and the quantity or type of hazardous waste the permittee actually receives. Significant discrepancies in quantity are: (1) for batch waste, any variation in piece count, such as a discrepancy of one drum in a truckload, and (2) for bulk waste, variations greater than 10 percent in weight. Significant discrepancies in type are obvious differences that can be discovered by inspection or waste analysis, such as waste solvent substituted for waste acid, or toxic constituents not reported on the manifest or shipping paper. If a significant discrepancy is discovered on a manifest, the Permittee shall attempt to reconcile the discrepancy. If not resolved within 15 days, the Permittee shall submit a written report, including a copy of the manifest, and efforts to reconcile the discrepancy, to the Director in accordance with R315-264-72 of the Utah Admin. Code.



**I.X. UNMANIFESTED WASTE REPORT**

I.X.1. This report shall be submitted to the Director within 15 days of receipt of unmanifested waste in accordance with R315-264-76 of the Utah Admin. Code.

**I.Y. BIENNIAL REPORT**

I.Y.1. A biennial report shall be submitted covering facility activities during odd numbered calendar years. This report shall be submitted by March 1 of the following even numbered year in accordance with R315-264-75 of the Utah Admin. Code.

**I.Z. OTHER NONCOMPLIANCE**

I.Z.1. The Permittee shall notify the Director of all other instances of noncompliance with this Permit not otherwise required to be reported in accordance with Condition I.T., within seven days of discovering the noncompliance. The notification shall contain the information listed in Condition I.T. of this Permit. The Permittee shall follow up all notifications under this Condition with a written report submitted within 15 days of the initial notification of noncompliance. Reporting shall not constitute a defense for any noncompliance.

**I.AA. OTHER INFORMATION**

I.AA.1. Whenever the Permittee becomes aware that it failed to submit all relevant facts in a permit modification, or submitted incorrect information in a permit modification, or in any report submitted to the Director, the Permittee shall submit such facts or corrected information within seven working days of discovering the omissions.

**I.BB. SIGNATORY REQUIREMENT**

I.BB.1. All reports, notifications, submissions, or other information required by this Permit, or requested by and submitted to the Director shall be signed and certified in accordance with R315-270-11 of the Utah Admin. Code.

**I.CC. CONFIDENTIAL INFORMATION**

I.CC.1. The Permittee may claim confidential any information required to be submitted by this Permit in accordance with Utah Code Annotated 63-2, the Government Records Access and Management Act, and Utah Code Annotated 19-1-306.

**I.DD.            REPORTS, NOTIFICATIONS, AND SUBMISSIONS**

I.DD.1.            All reports, notifications, or other submissions that are required by this Permit to be transmitted to the Director should be sent by certified mail or other means of proof of delivery to:

Director  
Division of Waste Management and Radiation Control  
195 North 1950 West, 2<sup>nd</sup> Floor  
P.O. Box 144880  
Salt Lake City, Utah 84114-4880  
Phone: (801) 536-0200

Required oral notifications shall be given only to the Director or an authorized representative of the Director. Notifications made at other times shall be made to the 24-hour answering service at 801-538-4123. Notifications made to the 24-hour answering service shall include all applicable information required by this Permit. The Permittee shall give oral notification to the Director or an authorized representative of the Director on the first business day following notification to the 24-hour answering service.

**I.EE.            DOCUMENTS TO BE MAINTAINED AT THE FACILITY SITE**

I.EE.1.            The Permittee shall maintain at the facility, for the periods specified, current copies of the following documents and amendments, revisions and modifications to these documents:

I.EE.1.a.            A copy of the Permit until closure is certified in accordance with Condition II.N.7.

I.EE.1.b.            All analytical data generated by the Waste Analysis Plans (Attachment 3), as required by R315-264-13 of the Utah Admin. Code and this Permit until closure is certified in accordance with Condition II.N.7.

I.EE.1.c.            Inspection logs (Attachment 5), as required by R315-264-15 of the Utah Admin. Code and this Permit, for a period of three years in accordance with R315-264-15(d) of the Utah Admin. Code.

I.EE.1.d.            Personnel training documents (Attachment 7), and records, as required by R315-264-16(d) of the Utah Admin. Code and this Permit until closure for current employees, or for a period of three years for former employees in accordance with R315-264-16(e) of the Utah Admin. Code.

I.EE.1.e.            Contingency Plan (Attachment 6), as required by R315-264-50 of the Utah Admin. Code and this Permit until closure is certified in accordance with Condition II.N.7.

I.EE.1.f.            Operating record, as required by R315-264-73 of the Utah Admin. Code and this Permit until closure is certified in accordance with Condition II.N.7.

I.EE.1.g.            Closure Plan (Attachment 8), as required by R315-264-110 through 120 of the Utah Admin. Code and this Permit until closure is certified in accordance with Condition II.N.7.

- I.EE.1.h. Cost estimates (Attachment 8) for the closure and post-closure of the HWMUs covered by this permit in accordance with Condition II.N.7.
- I.EE.1.i. Manifest copies, as required by R315-264-71 of the Utah Admin. Code and this Permit for at least three years from the date the waste shipment was accepted at the facility or shipped off site to an approved TSDF.
- I.EE.1.j. A copy of the Permittee's waste minimization statement until closure is certified in accordance with Condition II.N.7.
- I.EE.1.k. A copy of the groundwater monitoring program (Attachment 9) for the assessment of the groundwater contamination and the data generated by that program until remediation has been completed in accordance with Module V of this Permit.
- I.EE.1.l. A copy of all reports, plans and documents related to the Corrective Action program identified in the RCRA Facility Investigation (RFI) Work Plan, January 2010 until corrective action has been completed in accordance with Module IV and V of this Permit.

**I.FF. PROTECTION OF HUMAN HEALTH AND THE ENVIRONMENT**

- I.FF.1. Pursuant to Section 3005(C)(3) of RCRA (Section 212 of HSWA) and R315-270-32(b)(2) of the Utah Admin. Code, this Permit contains those terms and conditions determined necessary to protect human health and the environment.

**I.GG. REIMBURSEMENT OF REVIEW AND OVERSIGHT COSTS**

- I.GG.1. The Permittee shall reimburse the Department of Environment Quality for costs incurred in conjunction with review and oversight of the Permit and all plans, reports, procedures and protocols identified in this Permit in accordance with UCA 19-1-201(2)(i). These fees will be assessed for the activities including but not limited to the following: Review of Site Investigation and Remediation Plans, Sampling and Analysis Plans, Additional Investigation Plans, Site Management Plans, Corrective Action Plans, Corrective Measures Implementation Plans, No Further Action Petitions, Interim Measures, and Permit Modifications and Renewals; Review and Oversight of Administrative Consent Orders and Consent Agreements, Judicial Orders, and related compliance activities; Review and Oversight of Construction Activities; and Review and Oversight of Corrective Action Activities.