

## SECTION 00700

### GENERAL CONDITIONS

#### A. The General Conditions:

1. The following supplements modify, and/or add to the General Documents and the Acceptance and Award Form.
2. Where any article, paragraph or subparagraph in said documents is supplemented by one of the following paragraphs, the provisions of such article, paragraph or subparagraph shall remain in effect and the supplemental provisions shall be considered as added thereto.
3. Where any article, paragraph, or subparagraph in said documents is amended, voided or superseded by any of the following paragraphs, the provisions of such article, paragraph or subparagraph not so amended, voided, or superseded shall remain in effect.

#### B. Execution and Correlation:

1. All work mentioned or indicated in the Contract Documents shall be performed by the Contractor as part of this Contract unless it is specifically indicated in the Contract Documents that such work is to be done by others.
2. Should the Drawings or the Specifications disagree in themselves, with regard to quality or quantity, the Contractor shall provide the better quality or greater quantity of work and/or materials unless otherwise directed by written modifications to the Contract in accordance with applicable provisions of these Conditions.
3. The Contractor, and all Subcontractors, shall refer to all of the Drawings, including those showing primarily the work of the mechanical, electrical and other specialized trades, and to all of the Sections of the Specifications, and shall perform all work reasonably inferrable therefrom as being necessary to produce the indicated results.
4. All indications or notations which apply to one of a number of similar situations, materials or processes shall be deemed to apply to all such situations, materials, or processes wherever they appear in the Work, except where a contrary result is clearly indicated by the Contract Documents.

#### C. Definitions:

1. As used in these Specifications, the following have the meaning shown opposite each:
  - a. BNL – Brookhaven Science Associates, operator of Brookhaven National Laboratory, and its authorized representatives of various Divisions and Departments.
  - b. FOD – BNL's Facilities & Operations Directorate.

- c. MPO – BNL's Modernization Project Office and its authorized representative.
  - d. BNL Site – Land occupied by Brookhaven National Laboratory, in Brookhaven Township, Suffolk County, New York.
  - e. Site – Immediate area of BNL Site assigned to Contractor for performance of work.
  - f. Work or Project – Includes but is not limited to all labor, materials, tools, and equipment required and reasonably inferred by Contract to complete all construction.
  - g. Contractor – Person or entity identified in Lump Sum Contract and responsible for completion of all work.
  - h. Subcontractor – Person or entity directly contracting with Contractor including one who furnishes material worked to a special design according to Drawings and Specifications, but not including one who merely furnishes materials not so worked.
2. Wherever the terms "shown on drawings" are used in the Specifications, they shall mean "noted", "indicated", "scheduled", "detailed", or any other diagrammatic or written reference made on the drawings.
  3. Wherever the terms "Provide" or "Provided" are used in these Specifications, they shall mean "FURNISH AND INSTALL". The term "Furnish" shall mean "to fit out and/or supply" material required for project use. The term "INSTALL" shall mean "set", "connect", "erect", "apply" or to "otherwise fix into position for use".
  4. Wherever the terms "material" or "materials" are used in the Specifications, they shall mean any "product", "equipment", "device", "assembly" or "item" required under the contract, as indicated by trade or brand name, manufacturers' name, standard specification reference or other description.
  5. The terms "approved" or "approval" shall mean the written approval of MPO.
  6. The terms "directed", "required", "permitted", "ordered", "designated", "prescribed" and similar words shall mean the direction, requirement, permission, order, designation or prescription of MPO; the terms "approved", "acceptable", "satisfactory" and similar words shall mean approved by, acceptable or satisfactory to MPO; and the terms "necessary", "reasonable", "proper", "correct" and similar words shall mean necessary, reasonable, proper, or correct, in the judgement of MPO and/or BNL.

7. "Piping" includes in addition to pipe or tubing, all fittings, flanges, unions, valves, strainers, drains, hangers and other accessories relative to such piping.
8. "Concealed" means hidden from sight in chases, furred spaces, shafts, hung ceiling, embedded in construction or in crawl spaces.
9. "Exposed" means not installed underground or "concealed" as defined above.
10. "Invert Elevations" means the inside bottom of pipe.
11. "New" shall mean manufactured within the past twenty-four (24) months and never before used.

D. Review and Intent of Contract Documents:

1. The Contractor shall, prior to starting the work on any single portion and at frequent intervals during the progress of the work, carefully study and compare the General Documents, General Conditions, Drawings, Specifications, Addenda and other Contract Documents and shall at once report to MPO any error, inconsistency or omission he may discover.
2. Any necessary change shall be ordered as provided in Section 01035, and other provisions of the Contract Documents. Should Contractor proceed with the work, without such notice to MPO, having discovered such errors, inconsistencies or omissions, all costs arising therefrom shall be borne by the Contractor.

E. Specifications and Standards:

1. Applicable codes and standards for material furnished and work installed shall include all state laws, local ordinances, requirements of governmental agencies having jurisdiction, and applicable requirements of the latest editions of the following codes and standards including but not limited to:

ADA	Americans with Disabilities Act
BNL ES&H	BNL Environmental Safety and Health
BNL RCM	BNL Radiation Control Manual
NYSDOT	New York State Department of Transportation, Office of Engineering, Standard Specification, Construction and Materials.
NEC	National Electrical Code
OSHA	Occupational Safety & Health Administration
EPA	Environmental Protection Agency
CFR	Code of Federal Regulations
FED-STD	Federal Standard
FS	Federal Specification
ASSE	American Society of Sanitary Engineers
NFPA	National Fire Protection Association NFPA-101.

NYSBC	Building Code of New York State
NYCRR	New York State Codes, Rules and Regulations
UL	Underwriter's Laboratories
NEMA	National Electric Manufacturers Association
ASHRAE	American Society of Heating, Refrigeration and Air Conditioning
ASME	American Society of Mechanical Engineers
ANSI	American National Standards Institute
ASA	American Standards Association
AWWA	American Water Works Association
NBS	National Bureau of Standards
FM	Factory Mutual
SCDH	Suffolk County Department of Health
ASTM	American Society for Testing and Materials

In case of conflict, MOST STRINGENT codes will govern.

2. Where specific performance requirements are listed herein, it is the intent of this Specification that all manufacturers, fabricators, suppliers, installers, contractors, subcontractors, specialty and sub-subcontractors will provide services satisfying these requirements whether mentioned by trade or manufacturer's name or submitted for approval as a substitute.
3. Where no explicit quality or standards for materials or workmanship are established for work, such work shall be of such quality consistent with industry standards and of the construction quality established for the Project generally. Conform to specified manufacturer's published specifications and installation instructions unless otherwise specified or indicated.
4. Meet requirements of BNL Standards-Based Management System; ES&H Standards and other applicable SBMS standards, and all other codes and standards specified. In cases of conflict, the standard providing the greater protection shall govern.
5. BNL is an ISO 14001 certified laboratory. It shall be the duty and the responsibility of the Contractor and his subs to comply with the BNL standards and procedures in the area of environmental control, hazardous waste generation, spill prevention, and all other standards specified herein.
6. Copies are available for reference at MPO.
7. Volatile Organic Compounds (VOC's) and their emissions are controlled under the New York Codes, Rules and Regulations of the State of New York. Architectural surface coatings must comply with 6NYCRR Part 205.
  - a. For the purpose of the BNL location, Nassau, Suffolk, Westchester and Rockland Counties fall under the compliance rules of the New York City metropolitan area.

- b. All coatings and coated products to be used in the work, shall comply with the appropriate rules and regulations.
8. Federal agencies, to the extent practicable, are required to amend procurement practices so as to minimize the purchase of products manufactured with ozone depleting substances. The Contractor shall, therefore, provide materials that use low or non-ozone depleting substances during their manufacture and/or installation. Materials that do not comply shall be identified in the contractor's submittal for approval.
9. Federal agencies, to the maximum extent possible, are required to use recovered materials in construction products and manufactured materials. Specific products using recovered materials are covered within the applicable Specification sections.

F. Drawings:

1. Drawings are generally done to scale as noted. Contractor shall not, however, scale the drawings for establishing dimensions and/or layout. Scaling of drawings by Contractor shall be at Contractor's own risk. Dimensions indicated on the documents shall be used. Request clarification if discrepancies noted.
2. Drawings of existing buildings and building site are available for reference at MPO office.
3. The Contractor shall not perform any portion of the Work at any time without Contract Documents or, where required, approved Shop Drawings, Product Data or Samples for such portion of the Work as stipulated in Article 42.16 of the Attachment A.
4. Should the Contractor elect to release work for purchase, fabrication or installation without these submittal approvals, it shall be at his own risk and expense should the work be subsequently disapproved.
5. The Contractor shall give MPO timely notice of any additional design drawings, specifications, or instructions required to define the Work in greater detail, or to permit the proper progress of the Work and MPO will provide such information with reasonable promptness so as to cause no delay in the Work.
6. Whenever the Contractor proposes a substitution for a specified item of the work, MPO may require said Contractor to produce reasonable evidence that a material meets such requirements, such as certified reports of past tests by qualified testing laboratories, reports of studies by qualified experts, or other evidence which, in the opinion of MPO, would lead to a reasonable certainty that any material used, or proposed to be used, in the Work meets the requirements of the Contract Documents. All such data shall be furnished at said Contractor's expense. Coordinate with Section 01600 "Materials and Equipment".

7. The Contract Documents are intended to produce a facility of consistent character and quality of design. All components of the project including visible items of mechanical and electrical equipment have been selected to have a coordinated design in relation to the overall appearance of the project. MPO shall judge the design and appearance of proposed substitutes on the basis of their suitability in relation to the overall design of the project.

G. Work Permits:

1. The work of this Contract is controlled by the requirements of BNL Standards-Based Management System; "Work Planning and Control for Experiments and Operations," latest edition.
2. A Work Permit, prepared by BNL and signed by the Contractor, shall be posted or on hand at the project site. By signing the Work Permit, the Contractor indicates that they understand the hazards of the job and the permits required.
3. A Tool Box Meeting shall be held by the Contractor to discuss any requirements noted on the Work Permit with all Contractor and Subcontractor personnel assigned to the Work. A Tool Box Meeting Log shall be kept on the Job Site and be available for auditing by BNL.

H. Notice to Proceed:

1. The Contractor shall not knowingly, without formal notice from MPO, prematurely commence operations on the BNL Site. The Notice to Proceed will not be issued by MPO prior to receipt, by Contracts and Procurement, of all required bonds and insurance documents, and prior to receipt, and approval by Modernization Project Office, of the required Safety Plan.
2. The Notice to Proceed will be issued, in accordance with Clause 1 above, along with a BNL Integrated Safety Management (ISM) Flowdown Form. This form shall be completed by every Subcontractor to be used on this Project and returned to MPO, by the Contractor, as part of the requirements of Section 01300, "Submittals," Clause A.2, "Administrative Submittals."
3. Work may proceed, however, in the preparation and submittal of required submissions and the ordering of materials and equipment that do not require prior approval by MPO.

I. Use of Site:

1. The right of possession of the premises and the improvements made thereon by the Contractor shall remain at all times in BNL. The Contractor's right to entry and use thereof arises solely from the permission granted by BNL under the Contract Documents.
2. The Contractor shall confine the use of the premises for all purposes, to the areas occupied by the construction and related storage areas as and if shown.
3. The Contractor shall repair or replace any existing trees, shrubbery or other planting damaged by operations and/or workmen employed in performance of the contract.

4. It shall be the responsibility of the Contractor to provide necessary and required security measures to safeguard the construction site and materials, both stored and installed, from theft, vandalism and intrusion of unauthorized persons during all working hours, non-working hours, weekends and holidays.

J. Work Hours:

1. The Contractor shall perform all work on weekdays, excluding BNL holidays, between 8:00 a.m. and 5:00 p.m., unless otherwise specified or approved. The BNL holiday list is available upon request.
2. Notify MPO 24 hours in advance to request approval to work outside of the above working hours. Advise MPO of all planned activities and submit a list of all contractor and subcontractor employees who are expected on-site during the off-hour period. All employees working during off-hours must possess a valid BNL contractor employee photo identification badge.
3. If off-hours work request is approved, MPO will notify BNL Police Headquarters and the Main Gate of the days and hours that work is planned. Failure to notify MPO will be cause for BNL Police to deny access to the job-site.

K. Identification of Employees:

1. All Contractor and Subcontractor employees must attend the Contractor/Vendor Orientation Training Course (Clause N below) and be approved by BNL in order to work on the BNL site. A contractor employee photo identification badge will then be issued in order to have access to the site.
2. U.S. citizens must bring proof of citizenship, photo ID and proof of Social Security number. Acceptable citizenship proof is a passport, birth certificate, naturalization papers, voting eligibility, or similar documentation. Drivers' license, military ID cards, union cards, and Social Security cards are insufficient by themselves as proof of citizenship. Proof of Social Security number includes Social Security card, pay stub, W-2 form or medical insurance card. Handwritten documents are not acceptable. Upon arrival at the BNL Main Gate, they will be sent to the Visitors Trailer to receive a temporary pass, which allows them access to the site to attend CVO training.
3. All Non-U.S. citizen workers, including Permanent Resident Aliens (PRA), requiring access to BNL must complete a BNL Form 473C. The workers shall fully complete the entire form. Blank 473C forms are available from PE and should be reproduced for use by all Contractors' foreign national workers.
  - a. The completed Form 473C shall be faxed to BNL at (631) 344-5999 a minimum of thirty (30) working days prior to required access to the BNL site. Workers from countries on DOE's Sensitive Countries Listing (available on request) must allow forty-five (45) days for processing prior to access to the BNL site.

- b. PE will notify the worker's employer, as noted on Form 473C, when the worker is eligible to come to BNL and complete the process for a non-U.S. citizen to work at the BNL site. The worker must bring their original passport (with I-94 attached) and applicable visa with any INS documentation supporting the visa status and/or renewals (e.g., Form I-20 for F-1 students or Form IAP-66/DS2019 for J-1 visa holders) to Brookhaven upon their initial check-in and each time their visa status changes thereafter. Individuals with employment authorization cards must bring their card with them upon their initial check-in at BNL.
  - c. Permanent resident aliens (PRAs) holding green cards must bring their green card with them upon their initial check-in at BNL. Permanent resident aliens without green cards must bring their passport containing a valid I-551 stamp in it when they arrive at Brookhaven. The worker or employer must notify PE 24 hours prior to the worker's initial visit.
  - d. Upon arrival at the BNL Main Gate, Non-U.S. citizen workers will be sent to the Visitors Trailer to receive a temporary badge, which allows them to attend CVO training. All foreign national contractor employees are responsible to ensure they remain in legal INS status. Their BNL ID badges will expire on the expiration date of their current legal status or one year after issuance, whichever comes first. At that point, they must reapply with updated documentation to continue eligibility to work at BNL.
- 4. The Contractor shall assure that all Contractor and Subcontractor employees promptly obtain a current BNL contractor employee photo identification badge. Contractor Vendor Orientation (CVO) training must be completed before a badge will be issued. Badges can be obtained in the Badging Office on the Ground Floor of the Research Support Center, Bldg. 400, Monday through Thursday, 8:30 a.m. to 4:00 p.m, and Friday, 8:30 a.m. to 1:00 p.m. In order to keep badging times to a minimum, the Contractor should limit sending all of his employees at the same time.
  - 5. Contractor and Subcontractor employees shall wear the badge so as to be visible at all times while on-site.
  - 6. Contractor employee identification badges are valid for one (1) year after issuance and will require renewal at the Badging Office, Bldg. 400. Badges will be provided at no cost to the Contractor. Immediately upon release of employees or project completion, Contractor's Superintendent shall return badges to the Badging Office. (BNL will retain badges for re-issue for one year.)
  - 7. Contractor employees shall report lost identification badges immediately to the Badging Office, Bldg. 400.

L. Contractor Training Requirements:

- 1. All Contractor and Subcontractor employees are required to attend BNL's Contractor/Vendor Orientation Training on their first day on-site.

2. Contractor/Vendor Orientation Training is a one and one-half (1-1/2) hour overview of BNL and OSHA safety requirements. The orientation is offered 8:30 a.m. weekdays in Building 938. Upon completion of the orientation, a card will be issued that must be signed by Construction Inspection, Bldg. 650T. The Contractors' employee (U.S. citizens as well as foreign nationals) information must then be entered in the BNL Guest Information System (GIS). To facilitate this process, the following personnel are trained to enter data in GIS: Donna Pfeiffer in Building 185, and Claudia Hatton, Cindy Klemm and Denise Bingham-Miesell in Building 134C. The employee must then return to the Badging Office, Bldg. 400, to obtain the employee identification badge. This safety orientation will be valid for a period of one year. Satisfactory completion will be indicated by issue of employee identification badge.
3. Contractor and Subcontractor employees who have not attended the Safety Orientation will be directed to stop work until they have done so.
4. All Contractor and Subcontractor employees who may be required to "Work On or Near" electrical circuits within the BNL electrical distribution system are required to complete BNL's Electrical Safety I training course. This course is available on the Web at <http://training.bnl.gov/elecsaf1> , and is valid training for one (1) year.
5. In addition to completing the course, each organization's electrical work Foreman/Supervisors must discuss NFPA 70E requirements and specific hazard and risk information with their staff. This job briefing should discuss specific electrical work procedures required to accomplish the work of this project. BNL can provide a document that can be used as guidance for this discussion. This job level discussion can be informal but a record of this briefing shall be documented.
6. Contractor shall provide a list of workers that he authorizes to "Work On or Near" and perform LOTO. Contractor and Subcontractor employees who may be required to "Work On or Near" electrical circuits and who have not completed the Web-based BNL Electrical Safety 1 training and NFPA 70E briefing will not be allowed to perform such work until they have done so.
7. All Contractor and Subcontractor employees who may be required to "Work On or Near" electrical circuits must complete an approved NFPA 70E training seminar. Contractor can provide equivalent "in house" NFPA 70E training to his/her employees in lieu of taking "outside" training from an authorized company. Contractor's program shall follow the guidelines of NFPA 70E and thoroughly demonstrate that all employees have been properly trained in all facets associated with NFPA 70E. If the Contractor decides to provide his/her own NFPA 70E training, Contractor's program shall be submitted to BNL for approval. All Contractor and Subcontractor employees that "Work On or Near" electrical circuits shall have taken and passed a CPR training program that has been approved by BNL.

M. Pre-Construction Meeting:

1. MPO will set up a Pre-Construction Meeting, at which time the ES&H issues, Safety Awareness issues, Submittal procedures, and Site Organization procedures will be addressed. The Contractor's Superintendents, Supervisors and Foreman are required to attend the Pre-Construction Meeting.

N. Construction Schedule and Notification:

1. Within three (3) weeks after signed Contract, submit, directly to MPO, a detailed work schedule showing the work being completed by the Contract completion date. Coordinate with Section 01300 "Submittals".
2. MPO must be notified and made aware of all construction work in progress. MPO will provide appropriate telephone extension numbers for notifications.
3. When construction has not been previously scheduled, notify MPO Construction Inspector each day before 8:30 a.m. of planned activities.
4. Special scheduling, when appropriate, will be agreed upon at a meeting, set up by MPO, to prepare a rough work schedule. The Contractor shall respond, within one (1) week, with a formal work schedule.
5. When work falls behind schedule due to Contractor's fault or negligence, increase all labor and overtime to assure completion within schedule.
6. Do not utilize men or materials which would cause work stoppage on BNL Site.
  - a. Radiation Generating Devices are of special concern. The following industrial equipment, known to contain radiological sources or able to generate radiation, if brought to the BNL Site, require the Contractor to notify the Project Manager, in advance, and require a Radiological Work Permit to be approved prior to their use on site. RWPs require Health Physics review.
    - 1) Radiography Equipment
    - 2) Moisture Density Gauges
    - 3) Soil Density Gauges
    - 4) X-Ray Equipment
7. BNL's presence is required during all off hour work. For off hour work not specified, the Contract will be backcharged on an hourly rate based on BNL's published "Standard Rates Distributed Technical Services" schedule of direct expense recovery rate for engineering construction services. The rate schedule is available through MPO. This backcharge includes off hour work directed by BNL due to the Contractor's failure to meet schedule completion dates.

8. BNL will utilize all available contractual remedies to enforce schedule compliance. Should the Contractor encounter delays caused by BNL, it is the Contractor's responsibility to promptly notify the contracting officer and to request an extension of the contract compliance date.
- O. Subcontractor Approval:
1. BNL reserves the right to approve or disapprove Subcontractors. Submit to the MPO all proposed Subcontractors for approval. Coordinate with Section 01300 "Submittals".
- P. Coordination:
1. Arrange and coordinate work, be responsible for acts and omissions of all parties involved in the work, be responsible for satisfactory performance of all work, ensure that each trade is fully informed of full extent of work required. Work of a trade is not necessarily limited to the Drawing or Specification page describing the work to be done by that trade.
  2. Coordinate installation of all equipment and shop fabricated material, including that supplied by BNL. BNL assumes no responsibility for contractual relations between Contractor and other parties.
  3. Coordinate and schedule all work with all BNL activities and operations through MPO.
- Q. Transport and Traffic:
1. Schedule, confine, and perform work, as directed, so as not to interfere with BNL traffic on existing roads, walks, parking and other paved areas. Park all vehicles in designated parking areas. Load and unload vehicles where directed. Comply with all BNL traffic regulations. Violations will be backcharged from the Contract amount.
  2. In transporting materials and equipment, use designated roads and railroad on BNL Site. Obtain information concerning these facilities from MPO. When necessary to maintain work schedule, ship all materials, including Subcontractors' items, from point of origin to BNL Site by direct means equal to, or better than, express service.
  3. In transporting radioactive materials and waste, or hazardous waste, a DOE-MCAP approved transporter must perform the transportation. The MPO Waste Management Representative will coordinate all shipments of radioactive materials and waste, or hazardous waste.
  4. Shipments requiring a manifest (radioactive or hazardous) shall be prepared by a qualified broker. The broker shall sign as the shipper of record for radioactive shipments, with a qualified BNL Waste Management Representative approving the document. A Hazardous Waste Manifest shall be prepared by a qualified broker and signed by a BNL Waste Management Representative.
  5. Obtain property pass through MPO for removal of Contractor's materials and equipment from BNL Site. Schedule removals during specified work hours.

R. Open Flame Operations:

1. It shall be the duty and responsibility of the Contractor performing any cutting or welding to comply with the provisions of BNL Standards-Based Management System; ES&H Standards, and the National Fire Protection Association's National Fire Codes pertaining to such work. The Contractor shall read and be familiar with the provisions of these standards and codes. The Contractor shall be responsible for all damages resulting from failure to so comply.
2. Notify MPO forty-eight (48) hours in advance of cutting, welding, or similar open flame operations.
3. Provide any required fire watch and take all required precautions where directed.
4. MPO will make arrangements for a Cutting/Welding Permit. No open flame operations shall proceed prior to the issuance of the written Cutting/Welding Permit nor shall work continue after expiration date of permit.

S. Protection of Property:

1. Contractor shall be responsible for the security of property within the Work Site.
2. Protect, with whatever means and methods required, all new and existing property from damage by and as a result of work in this Contract as approved, including disappearance. Refer to Attachment A, Article 14, Contractor's Responsibilities.
3. Repair, refinish, replace and otherwise correct all damage, and replace any missing materials, as directed and approved by MPO.

T. Service and System Interruptions:

1. Do not interrupt service until directed. Notify MPO two (2) weeks in advance of all proposed service interruptions unless otherwise specified or directed.
2. Keep all interruptions to a minimum. Complete all possible prior work and prefabrication, and have all labor and materials on Site, as approved, prior to interruption.
3. Do not modify, disconnect and, in any way, impair fire protection and detection systems without approval.
4. Notify MPO forty-eight (48) hours in advance of all work on fire protection systems.

U. Cutting, Patching, and Penetrations:

1. Cut, drill, alter, remove, and replace all existing construction as required for performance of work. Patch and finish all changed and damaged work to match existing construction as approved.

2. Seal all penetrations through fire rated systems with an approved fire and/or smoke stop material, Hilti North American Fire Stopping Systems, or equal as approved by MPO, capable of maintaining the level of fire protection of the wall, partition, floor or ceiling penetrated.
  - a. Systems selected shall be appropriate for the joint and/or penetration involved, such as floor to floor, wall to wall, floor to wall, head of wall, and whether there is movement or no movement capability.

V. Job Meetings:

1. Job meetings will be held at the job site at least monthly unless otherwise designated by MPO.
2. The Contractor and his field superintendent, and the subcontractors or vendors whose presence is necessary, shall attend job meetings.
3. Decisions, instructions and interpretations agreed upon at such meetings will be recorded in a "Memorandum of Meeting" prepared by MPO and furnished to the Contractor and each attendee for necessary action.

W. Salvage:

1. Salvage is that material and equipment, as defined in the Specifications, to be removed by the Contractor from the Project facility, but is to remain the property of BNL.
2. Remove all specified salvageable material and equipment and pass it through the vehicle radiation monitor. Place, where directed by, and turn over to, MPO, on the BNL Site.
3. Remove all non-salvageable material and equipment and legally dispose of same off the BNL Site.
4. All removed salvageable material and equipment, as defined in the Specifications, shall remain property of BNL.
5. All removed non-salvageable materials and equipment shall pass through the vehicle radiation monitor prior to exiting the BNL site.

X. Construction Waste Management:

1. Waste and demolition materials shall be segregated into disposal categories:
  - a. Radioactive waste is any refuse, solid or liquid, that must be managed for its radioactive content.
  - b. Hazardous waste is any refuse, solid or liquid, that is a by-product of processes/activities that can pose a hazard to health or environment that must be managed for its hazardous nature (usually listed by EPA).

- c. Mixed waste is any refuse that contains both Low-Level Radioactive Waste (LLRW) as well as hazardous waste.
  - d. Non-hazardous waste is any refuse, other than construction debris, that is considered industrial or special in nature (oil, anti-freeze, etc.). The BNL Standards-Based Management System (SBMS) contains the full descriptions.
  - e. Universal waste is any battery containing hazardous constituents such as mercury/lithium/lead/nickel cadmium, certain pesticides, as well as mercury-containing thermostats and fluorescent lamps and tubes.
  - f. Construction rubbish and debris is any refuse as a result of the normal construction or earth clearing activity such as packing and shipping materials, discarded lumber and wood materials, metals, insulation, gypboard, piping, electrical scrap, tree branches, roots, and sweepings.
2. Radioactive waste and mixed waste disposal will be coordinated by the MPO Waste Management Representative, Gary Olsen, (631) 344-8580.
  3. Hazardous waste and mixed waste shall be disposed of by the Contractor at the BNL Waste Management Facility, or at an approved off-site facility coordinated by the MPO Waste Management Representative.
  4. Universal waste shall be disposed of by the Contractor at the BNL Waste Management Facility, or at an approved off-site facility coordinated by the MPO Waste Management Representative.
  5. Non-hazardous waste shall be disposed of by the Contractor at the BNL Waste Management Facility, or at an off-site disposal facility approved by BNL.
  6. Construction rubbish and debris shall be disposed per Section 01800.

END OF SECTION

Revision History	
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