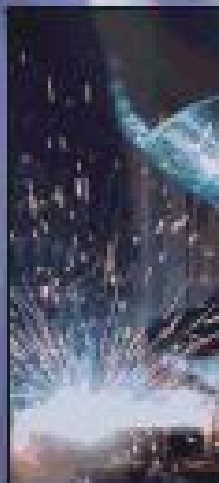
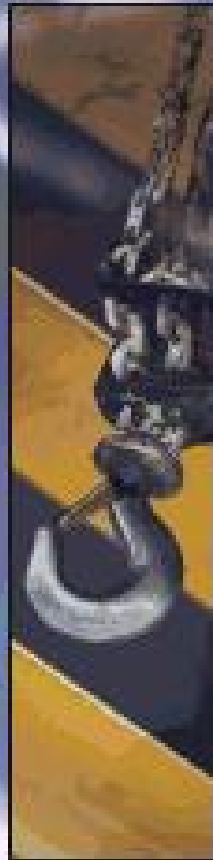


Contractor's Environmental Health & Safety Handbook



GENERAL DYNAMICS
Land Systems

TABLE OF CONTENTS

TABLE OF CONTENTS 1

ENVIRONMENTAL, HEALTH AND SAFETY POLICY 2

I. INTRODUCTION..... 3

II. PURPOSE..... 3

III. REGULATORY COMPLIANCE..... 3

IV. GENERAL REQUIREMENTS 4

V. EMERGENCY SERVICES / COMMUNICATIONS 5

VI. CONTRACTOR PARKING / VEHICLE OPERATION..... 5

VII. PERSONAL PROTECTIVE EQUIPMENT / APPAREL 5

VIII. FIRE PREVENTION AND PROTECTION 6

IX. PERMITS..... 6

X. HANDLING / DISPOSAL OF HAZARDOUS WASTE 7

XI. UTILITIES / OVERHEAD POWER LINES/ELECTRICAL..... 7

XII. COMPRESSED GASES / AIR..... 7

XIII. WORK AREAS / LADDERS / SCAFFOLDING 7

XIV. TOOLS, MACHINERY AND EQUIPMENT..... 8

XV. HOISTING OF MATERIALS / PERSONNEL..... 8

XVI. TRENCHING / EXCAVATING WORK..... 8

XVII. TOILET FACILITIES..... 8

XVIII. MATERIAL SAFETY PROGRAM..... 8

GENERAL DYNAMICS Land Systems

October 15, 2008

ENVIRONMENTAL, HEALTH AND SAFETY POLICY

General Dynamics Land Systems (GDLS) is committed to protecting human health, natural resources, and the environment while promoting and maintaining safe workplaces and practices for our employees, customers, suppliers, visitors and other stakeholders.

We all have a shared responsibility to identify activities that present significant environmental, health or safety (EHS) risk, and to take corrective/preventive action in an effort to eliminate potential environmental impacts and safety risks.

We will develop strategic initiatives and processes that support this commitment to continually improve, and at a minimum:

- Frequently assess the potential environmental impacts and safety risks of operations, processes and products.
- Implement proactive policies and procedures to comply with applicable environmental, health and safety legislation and regulations and other requirements to which the company subscribes.
- Reduce work-related injuries and ill health
- Conserve natural resources.
- Reduce the use of hazardous materials.
- Reduce the generation of hazardous wastes, pollutants, and by- products.
- Recycle materials whenever possible.
- Implement appropriate technologies for prevention of pollution and the control of pollutants that cannot be eliminated.

The foundation for our EHS program is training, participation and empowerment. We all share the responsibility for following established policies and procedures, identifying and reporting potential EHS concerns, maintaining relevant documents, and knowing the emergency contacts, procedures, and evacuation plans at our respective facilities.

As a team, we are committed to a culture that protects the health and safety of each other and preserves the environment for future generations.

{Original Signed By}

Marc C. Roualet
President

Contractor's EHS Handbook

I. INTRODUCTION

- A. Important objectives of General Dynamics Land Systems (GDLS) are to prevent injury and illness to Contractor Personnel as well as our own employees, and to prevent or minimize impacts to the environment that may be caused by our activities. The top priority and goal of every Contractor must be to get the job done safely, efficiently and on schedule. All three can be accomplished harmoniously.
- B. The GDLS Environmental, Health and Safety (EHS) programs are successful when each of us does our part. Individual responsibility is the key element in these loss control programs and requires that each employee work safely, obey environmental, health and safety rules and regulations, and correct or report unsafe conditions and practices. Contractor personnel who have questions about health, safety or environmental matters are to consult with their site supervisor.

II. PURPOSE

- A. The purpose of this booklet is to highlight some of the significant accident prevention measures which can make a job a safe one. The information herein must be reviewed and understood by all Contractors, Subcontractors and their respective employees prior to performing work at any GDLS facility. It is the responsibility of the General or Primary Contractor to ensure that the contents of this booklet are made known to and understood by all Subcontractor Personnel. Any questions by the Contractor relating to the contents or intent of this booklet should be directed to the Environmental, Health and Safety Department through your GDLS Project Proponent / Contact.
- B. This booklet is not intended to address every possible work situation or hazard. Each project must be initiated and maintained in a safe manner. The guidelines contained in this booklet will assist each Contractor in accomplishing this goal.

III. REGULATORY COMPLIANCE

- A. GDLS is proud of its record of compliance to applicable environmental, health and safety (EHS) regulations, laws and other requirements. Many GDLS sites have become Registered to the ISO 14001, Environmental Management, and OHSAS 18001, Occupational Health and Safety Management System standards.
- B. Contractors and their personnel are responsible to obtain, review and fully understand the current regulatory requirements applicable to the project to be performed.
- C. Contractors shall comply with applicable OSHA requirements (i.e. 29 CFR 1910 and 29 CFR 1926) during performance of the project. Contractors and any Subcontractors are subject to the enforcement provisions of OSHA. Any major violations of OSHA safety standards, briefing items discussed herein or violation of GDLS safety requirements or procedures may result in the restriction of Contractor's activities within GDLS facilities and possible termination of contract.
- D. Contractors are expected to be cognizant of and comply with all applicable environmental regulations including those found in 40 CFR and as in effect by state and local agencies. When an environmental permit or agency approval is required, the GDLS Project Proponent and Environmental Representative shall be involved.
- E. Contractors are also expected to be cognizant of and comply with other applicable Federal, State, local and site regulations, laws, requirements and permits including Energy (10 CFR) and Transportation (49 CFR).
- F. Certain regulations require employers to develop and implement specific EHS programs, plans and / or procedures. Examples include Fall Protection, Permit Required Confined Space Entry, Lock Out – Tag Out, Trenching and Excavating, Spill Prevention, Stormwater Pollution Prevention, and Hazard Communication. Contractors are expected to have these plans in place as applicable to the work being performed and may be requested to provide copies to GDLS for review.
- G. Contractor's personnel are expected to have been appropriately trained for the job tasks they will be performing. Copies of the Contractor's Training Program(s) and records, and Employee Certifications are to be provided to GDLS for review upon request.

Contractor's EHS Handbook

- H. Upon entrance and prior to the start of any Contractor activity, the GDLS Project Proponent will coordinate activities with local GDLS Environmental, and/or Health and Safety Representatives, Security and/ or Fire Prevention Representative(s), the appropriate Maintenance Supervisors and any Supervision of GDLS department(s) that may be affected during the project, to ensure that all necessary precautions and safeguards have been established and are followed.

IV. GENERAL REQUIREMENTS

The following items must be addressed and reviewed with all Contractor Personnel prior to project startup:

- A. All contractors must be US citizens and have proof of insurance.
- B. All Contractors and their employees will be expected to follow and observe all applicable GDLS Environmental, Health and Safety (EHS) requirements when working on GDLS premises.

VIOLATIONS OF EHS REQUIREMENTS MAY RESULT IN CONTRACT TERMINATION.

- C. All Contractors' employees shall conduct themselves in a professional manner: No acts of violence, horseplay or practical jokes will be permitted on our property at any time.
- D. No firearms or other weapons shall be allowed on GDLS property at any time.
- E. The use of cameras or recording devices is strictly forbidden on GDLS or U.S. Government property.
- F. Alcoholic beverages and illegal drugs are not allowed on GDLS property at any time. Reporting to work under the influence of either is strictly forbidden.
- G. The smoking of cigarettes, cigars and pipes is limited to designated areas and in some cases prohibited altogether at GDLS facilities. All Contractors' Personnel are required to comply with the smoking policy of the facility they are working in.
- H. Contractors are responsible to provide all tools and equipment necessary to perform their work. **GENERAL DYNAMICS, UNDER NO CIRCUMSTANCES, WILL PROVIDE ANY TOOLS OR EQUIPMENT FOR CONTRACTOR PERSONNEL USE.**
- I. At the beginning of every work shift, Contractor's Personnel shall inspect their work areas, equipment, machinery, vehicles and tools to ensure proper safeguards and personnel safety have been established. Any noted hazards must be immediately corrected.
- J. Contractor's Personnel shall not leave designated Contractor work areas nor wander freely about the premises. Contractor's Personnel must display the GDLS provided Special Workman (SW) ID Badge in plain view at all times and return the badge to Security at the end of each work shift.
- K. Contractor's Personnel must not interfere with production or other activities or with GDLS employees.
- L. Contractor's Personnel must comply with and heed all posted signs, markings, sirens, signals and any other warnings while on GDLS property
- M. At the end of every work shift, all Contractors shall inspect their work area to ensure that all required barricades, guardrails or roped off areas are properly secured.
- N. Defacing, removal or willful damage of GDLS or U.S. Government property is strictly forbidden.
- O. Contractors shall avoid on-site placement of material and/or equipment in close proximity to Stormwater drainage systems. Reasonable precautions shall be taken to prevent accidental releases of solids, liquids or other contaminants into the Stormwater drainage systems.
- P. Contractors are responsible for the repair of any damage to GDLS property caused by the activities of Contractor's or their invitee's personnel, their failure to take reasonable precautions to prevent property damage, caused by personnel negligence, and/or caused by an unforeseen accident.

Contractor's EHS Handbook

V. EMERGENCY SERVICES / COMMUNICATIONS

- A. Emergency Services (ex., Fire, Ambulance, Security, Environmental, Health and Safety) phone numbers are found on the back cover of this Contractor's EHS Handbook.
- B. GDLS personnel shall apprise the Contractors of the Emergency Management Plan (EMP) for the facility and the actions to be taken by Contractor's Personnel for each situation.
- C. All personal injury and property damage incidents shall be reported immediately to GDLS Security.
- D. Arrangements must be made by each Contractor to make first aid available for their employees prior to the start of the project. If necessary, GDLS Security will request an outside ambulance in emergencies upon notification.
- E. Report any fire emergency to GDLS Security immediately. Be sure to give the exact location of the fire when you report it.

VI. CONTRACTOR PARKING / VEHICLE OPERATION

- A. Contractors and their employees shall operate their equipment and vehicles in designated traffic lanes and parking areas and in a safe manner. Always be alert for pedestrians and other industrial vehicle traffic and exercise caution when going in and out of buildings or around building corners.
- B. Posted traffic control speed limit signs are to be obeyed. The maximum speed 5 MPH for mobile equipment and vehicles when inside buildings (and flashers or backup alarms must be in operation); 10 MPH outside at building corners; and 15 MPH on facility roads and in parking lots.
- C. Mobile construction equipment is to be provided with rollover protection structures and seat belts as required by Federal OSHA standards and operational backup warning devices, either visual or auditable types.
- D. Contractor's equipment left unattended at night, next to a roadway or active construction area must have lights or reflectors to identify their location.
- E. Contractor's equipment, machinery and vehicles shall be in good repair, free of leaks, and have all safety features fully functional. Any leaking equipment, machinery or vehicle shall be reported to the GDLS Environmental Representative. Contractors are responsible for harm caused by their equipment, machinery or vehicles being in disrepair or from accidents causing damage while on-site.
- F. Contractor's equipment, machinery or vehicles shall not be operated or parked within 15 feet of any active railroad tracks.
- G. Signalmen, flagmen and vehicle spotters shall be used by the Contractor when the conditions warrant and such personnel shall wear a reflector vest when required.
- H. Contractor's Personnel shall not ride on mobile equipment unless seating is provided and the number of riders shall not exceed the number of seats.
- I. The use of gasoline powered equipment and vehicles inside GDLS buildings must be authorized by GDLS Fire Prevention and/or EHS Representative(s) and is to be avoided wherever possible.

VII. PERSONAL PROTECTIVE EQUIPMENT / APPAREL

- A. Contractor's Personnel shall wear appropriate safety apparel and / or equipment as dictated by the hazards involved. GDLS WILL NOT provide Contractor Personnel with any protective or other health and safety equipment.
- B. Proper work clothing and attire are required. Wearing shorts and/or shirts without at least short sleeves is prohibited at GDLS facilities.
- C. Contractor's Personnel shall comply with all applicable GDLS Plant and applicable regulatory Personal Protective Equipment (PPE) requirements, and as specific tasks warrant. This may include, however; not limited to, eye (safety glasses with side shields), foot (steel toe safety shoes), hand, head and/or hearing protection.

Contractor's EHS Handbook

- D. Fall protection equipment (harness, lanyard or lifeline) shall be worn when working at elevations where there is danger of falling (work above 4 feet when other fall protection is not available), or when working from man lifts and in personnel work platforms.

VIII. FIRE PREVENTION AND PROTECTION

- A. No fire protection devices, sprinklers or fixed extinguishing systems, hydrants, riser valves or other systems will be activated, shut down or worked on until notification is given to and permission granted by the GDLS Security/Fire department.
- B. Aisles, roads and exits shall not be blocked or closed (even temporarily) without prior contact with the GDLS Project Proponent and approval from the local GDLS Security/Fire Prevention Department.
- C. Good house keeping at work sites shall be maintained at all times. Contractors shall provide proper facilities to handle and dispose of all scrap, trash and waste materials in a safe and compliant manner. Disposal of scrap and other waste materials shall be effected on a daily basis.
- D. Flammable, combustible and other hazardous materials, liquids and wastes shall be labeled, kept in approved containers (Underwriter's Laboratory – UL, Factory Mutual – FM or Department of Transportation – DOT) and used, stored and transported in accordance with applicable EHS regulations and applicable procedures.
- E. Gasoline is not to be stored inside GDLS buildings.
- F. Contractors shall provide appropriate types and adequate numbers of fire extinguishers at the work site for the hazards involved (and/or as required by the Security/Fire Prevention Department(s)). Fire extinguishers must be inspected, maintained and readily available at all time by the Contractor.
- G. Contractor' Personnel shall be instructed by their employer on the location and use of the fire extinguishers made available to them.
- H. Dispensing of flammable and combustible liquids must be approved by GDLS Security/Fire Prevention Representatives. The Contractor must provide proper grounding and bonding for their operations.
- I. Contractor's Personnel must not smoke or produce other ignition sources in restricted areas marked "NO SMOKING". Contractors who are permitted to store or dispense flammable and combustible liquid and materials must post these areas accordingly.
- J. If bulk storage (≥ 55 gallons) of material is necessary, the Security/Fire and Environmental Resource Management Departments will determine where Contractor storage container(s) will be located at the facility. The Contractor will place a plastic liner beneath the storage container(s) and up the sides of either an earthen dike or sandbag dike, large enough to contain 150% of the total storage capacity.
- K. Open or solid fuel heating units are prohibited in all GDLS facilities. Open burning of any type is not permitted.

IX. PERMITS

(Welding and burning / Confined Space Entry)

- A. Contractors must obtain (through the Security/Fire Prevention Departments) a Cutting and Welding Permit prior to any welding or hot work operations being started.
- B. Proper precautions and safeguards must be taken to prevent fire or explosion hazards prior to any welding or other hot work being performed by the Contractor.
- C. GDLS has attempted to physically identify all spaces believed to meet the criteria for confined spaces. The Contractor must bring to the attention of GDLS personnel any other space in which work is to be performed that could be considered a confined space for evaluation by GDLS Health and Safety personnel.
- D. Contractors must obtain documented tender of confined space from the GDLS EHS Representative prior to entering or performing work in a confine space. This means the Contractor then owns the

Contractor's EHS Handbook

responsibility of all regulatory actions that must be taken to enter a confined space or permit required confined space.

X. HANDLING / DISPOSAL OF HAZARDOUS WASTE

- A. Contractors are responsible for the management of wastes generated during the project in accordance with applicable Federal, State and local waste management regulations and requirements.
- B. Waste containers (i.e. drums or similar) are to be in good condition, covered and labeled in accordance with applicable requirements.
- C. The location for accumulation of waste containers is to be approved by the local Environmental Representative and only limited quantities of hazardous wastes are to be accumulated on site.
- D. The responsibility for disposition and disposal of wastes is determined on a project-by-project basis and requires approval by the local GDLS Environmental representative(s).
- E. Contractors shall immediately notify GDLS via the site's Emergency Number of any spills or leaks of any flammable, hazardous or toxic substances or liquids.

XI. UTILITIES / OVERHEAD POWER LINES/ELECTRICAL

- A. Prior to any excavation or trenching work on premises involving utilities, the shut down of the service must be coordinated with the GDLS Project Proponent so as not to interfere with GDLS operations.
- B. All power lines shall be considered energized unless positively known to be dead or locked out.
- C. All equipment and circuits shut down by Contractor's Personnel shall be properly locked and tagged out of service until ready to be restored to service. Contractors will provide their own lockout locks and devices.
- D. Locks and tags shall also be placed in conjunction with in-house GDLS maintenance personnel.
- E. Contractor's equipment, such as booms on cranes, dump trucks, mobile and crawler equipment, backhoes, etc., shall stay clear of all energized power lines by a minimum safe distance of ten (10) feet. Greater distances may be required depending upon conditions and voltages present.
- F. Contractors must comply with NFPA 70E; Standards for electrical safety in the workplace.

XII. COMPRESSED GASES / AIR

- A. Compressed gas cylinders used by Contractors shall be properly stored, secured, labeled, handled and used at all times.
- B. Compressed gas/air equipment, hoses, tools, etc. shall be properly maintained, inspected regularly by the Contractor.
- C. Electrical cables, air/gas lines or hoses, etc. shall be protected from vehicle and other mobile equipment. Tripping hazards with hoses, cables, etc. are to be avoided.

XIII. WORK AREAS / LADDERS / SCAFFOLDING

- A. When working in high places, Contractors Personnel shall take care in handling materials and tools.
- B. When working in areas that present hazards to personnel or vehicles below, Contractor's Personnel shall place warning signs and barricades in effective locations to exclude individuals from areas where falling objects and/or other dangers exist.
- C. Scaffolding shall be in good condition, of required strength and stability and properly secured and provided with appropriate guardrails, toe boards, outriggers, etc, and comply with applicable requirements.

Contractor's EHS Handbook

- D. Ladders with non-skid feet, ramps and other temporary work platforms or walkways used by Contractor's Personnel shall be rigidly constructed and properly secured and maintained for the duration of the construction project.
- E. All floor and roof openings shall be guarded by railings or secured coverings or planking of the required strength.
- F. Debris disposal chutes to handle waste and scrap materials shall be properly constructed and maintained.
- G. Regularly used travelways shall be properly maintained and kept clear of obstructions. During winter months, they shall be cleared of snow and ice as soon as practical.
- H. Adequate illumination shall be provided and maintained during night time hours and when natural light is inadequate at the construction site.

XIV. TOOLS, MACHINERY AND EQUIPMENT

- A. Electrically operated power tools and equipment shall be properly grounded, insulated and in good repair. Tools shall be inspected for defects prior to each use by Contractor Personnel.
- B. Equipment, tools and machinery shall be properly guarded. Equipment controls shall also be effectively guarded or protected from unintentional start up or activation.
- C. Powder actuated tools shall be operated according to manufacturer instructions and applicable safety procedure.

XV. HOISTING OF MATERIALS / PERSONNEL

- A. Suspended loads must never be placed over anyone nor shall anyone walk or work under a suspended load at any time.
- B. Contractors are responsible to ensure rigging equipment, cranes and lifting devices are regularly inspected, properly maintained and designed and operated to safely handle the load being lifted.
- C. Contractor's Personnel shall be hoisted or lifted only by approved equipment designed for such application.

XVI. TRENCHING / EXCAVATING WORK

- A. Contractors shall ensure that all trenching and excavating work is inspected, sloped/shored, guarded/barricaded, with excavated material retained a safe distance away from the edge. Proper egress in and out of trenches shall also be established. Compliance with Subpart P of 29 CFR 1926 is required.
- B. Excavations and excavated soils and debris is to be reviewed by the local Environmental Representative to determine if historical or current activities may have impacted the environment prior to any backfilling or disposal.

XVII. TOILET FACILITIES

- A. Where normal facilities and washrooms are not provided, sanitary portable toilets shall be provided by the Contractor for its workforce. Such toilet and wash facilities shall be serviced and maintained by the Contractor during the period of work.

XVIII. MATERIAL SAFETY PROGRAM

- A. GDLS has a Material Safety Program in effect at all facilities. The program allows for personnel to determine what chemicals are present as well as their health effects. This information is located in the form of Material Safety Data Sheets (MSDS) and is available to Contractor through the GDLS Project Proponent.
- B. Prior approval of materials by GDLS personnel is required before Contractors bring them on to, or deliver them to the facility premises or site.

Contractor's EHS Handbook

- C. Material Safety Data Sheets (MSDS) are to be kept onsite for any hazardous chemical/material utilized by Contractor Personnel in the performance of their work. Copies shall be provided to GDLS personnel upon request.
- D. The Contractor shall avoid or minimize the use of hazardous or environmentally unacceptable materials to the extent practical. When a choice exists between a hazardous and a non-hazardous material, the use of the non-hazardous material is preferred.
- E. Materials shall be stored, used and managed in a manner that avoids potential exposures to GDLS personnel and / or releases to the environment.

**Emergency Telephone Numbers
for this GDLS Facility:**

(Fire, Accidents, Security, Chemical Releases / Spills)

Non-Emergency Telephone Numbers:

Fire / Security	_____
Health & Safety	_____
Environmental	_____
Burning / Welding Permits	_____
Confined Space Permits	_____
GDLS Project POC / Proponent	_____