

GENERAL
LAST UPDATE MAY, 2008
IDENTITY

G-100

IS THE FACILITY IDENTIFIED AS REQUIRED?

Authority: 154

Enforcement Action: W

DEFINITION:

Required identification - Facilities shall be identified as follows:

1. Platforms, structures, artificial islands and mobile drilling units which have helicopter landing facilities shall be identified with at least one sign using letters and figures not less than 12 inches in height and must also display the weight capacity of the helipad unless noted on the top of the helipad.
2. Units without helicopter landing facilities shall be identified by signs using letters and figures not less than three inches in height.
3. Signs shall be affixed at a location that is visible to approaching traffic and shall contain the following information:
 - A. Lease operator's name,
 - B. OCS Area and Block number (in Pacific OCS Region use lease number) of the surface location of the facility, and
 - C. Platform, structure, or rig name.
4. Abbreviations are acceptable.

Note: Signs can be affixed to the side of the facility to represent required heliport markings in lieu of same on the heliport surface.

INSPECTION PROCEDURE:

Inspect the facility to verify that it is identified as required.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC when the facility is not identified as required.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per facility inspected.

G-101

IS EACH COMPLETION IDENTIFIED AS REQUIRED AT THE WELLHEAD?

Authority: 154(b)

Enforcement Action: W

DEFINITION:

Required identification - Each completion shall be identified at the wellhead with the OCS lease and well number. For subsea wellheads, the required sign shall be affixed to the flowline at a convenient surface location on the platform to which it is connected.

INSPECTION PROCEDURE:

1. Verify that each wellhead completion is identified as required.

Note: Wells being drilled and unperforated wells or wells that have no completions or utility are not required to have wellhead signs.

2. Verify that the identification is maintained in a legible condition.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC for each completion not properly identified at the wellhead.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per each completion inspected.

OPERATIONS

G-110

DOES THE LESSEE PERFORM ALL OPERATIONS IN A SAFE AND WORKMANLIKE MANNER AND PROVIDE FOR THE PRESERVATION AND CONSERVATION OF PROPERTY AND THE ENVIRONMENT?

Authority: 107(a)
401(e)

Enforcement Action: W/C/S

INSPECTION PROCEDURE:

Observe all operations for unsafe and/or unworkman like practices, procedures, or operations.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC when the situation poses no immediate danger to personnel or equipment.

Issue a component shut-in (C) INC for a specific piece of equipment or location when it is found to be part of an unsafe situation if it poses an immediate danger to personnel or other equipment and it can be shut-in without affecting the overall safety of the facility.

Issue a facility shut-in (S) INC when the unsafe situation poses an immediate danger to the entire facility or personnel and the specific piece of equipment or location cannot be shut-in without affecting the overall safety of the facility.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per facility, per enforcement action.

G-111

DOES THE LESSEE MAINTAIN ALL EQUIPMENT IN A SAFE CONDITION TO PROVIDE FOR THE PROTECTION OF THE LEASE AND ASSOCIATED FACILITIES?

Authority: 107
401(e)

Enforcement Action: W/C/S

INSPECTION PROCEDURE:

Observe all equipment for unsafe conditions such as wear-and-tear, poor maintenance, fraying, rust, corrosion, leaks, cracks, sparks, mechanical problems, walkways, stairways, and the integrity of decks, grating, structural and support beams, handrails, pressure and atmospheric vessels, piping, and pipelines.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC when the situation poses no immediate danger to personnel, equipment, or the environment.

Issue a component shut-in (C) INC for a specific piece of equipment or location when it is found to be part of an unsafe situation that poses an immediate danger to personnel, other equipment, or the environment and it can be shut-in without affecting the overall safety of the facility.

Issue a facility shut-in (S) INC when the unsafe situation poses an immediate danger to the entire facility or personnel and the specific piece of equipment or location cannot be shut-in without affecting the overall safety of the facility.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per facility, per enforcement action.

G-112

DOES THE LESSEE PROVIDE FOR THE SAFETY OF ALL PERSONNEL AND TAKE ALL NECESSARY PRECAUTIONS TO CORRECT AND REMOVE ANY HAZARDOUS OIL AND GAS ACCUMULATION OR OTHER HEALTH, SAFETY, OR FIRE HAZARDS?

Authority: 107
401(e)

Enforcement Action: W/C/S

INSPECTION PROCEDURE:

1. Observe all operations to assure the safety of personnel and that other safety equipment, such as fall-arrest equipment, is in use as necessary.

2. Observe all areas of the facility for potential health, safety, or fire hazards.

3. Observe all areas of the facility, including the water around the facility, for unsafe accumulations of oil and gas.

4. Observe the overall facility and general housekeeping for unsafe conditions.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC when the situation poses no immediate danger to personnel, equipment, or the environment.

Issue a component shut-in (C) INC for a specific piece of equipment or location when it is found to be part of an unsafe situation and poses an immediate danger to personnel, equipment, or the environment.

Issue a facility shut-in (S) INC when the unsafe situation poses an immediate danger to the entire facility or personnel, and the specific piece of equipment or location cannot be shut-in without affecting the overall safety of the facility.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per facility, per enforcement action.

G-113

DOES THE LESSEE MAKE ALL FACILITIES AND RECORDS AVAILABLE FOR INSPECTION BY MMS PERSONNEL?

Authority: 132

Enforcement Action: W

INSPECTION PROCEDURE:

1. Verify the availability for inspection by MMS representatives, all platforms, artificial islands, and other installations located on offshore leases. For installations equipped with helicopter landing sites and refueling facilities, verify the availability of the use of these facilities for helicopters used by MMS.
2. Verify the availability of all records relative to the operation and maintenance of the facility.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC when the lessee:

1. Denies access to any facility covered by the lease or regulations.
2. Does not make pertinent records available for inspection.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per facility inspected..

G-114

ARE OPERATIONS CONDUCTED IN ACCORDANCE WITH LEASE STIPULATIONS?

Authority: 101

Enforcement Action: W/C/S

INSPECTION PROCEDURE:

Verify that operations are being conducted in accordance with the lease stipulation.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC when the violation of the stipulation poses no immediate danger to personnel, equipment, or the environment.

Issue a component shut-in (C) INC for a specific piece of equipment or location when the violation of the stipulation poses an immediate danger to personnel, equipment, or the environment and it can be shut-in without affecting the overall safety of the facility.

Issue a facility shut-in (S) INC when the violation of the stipulation poses an immediate danger to the entire facility, personnel, or the environment and the specific piece of equipment or location cannot be shut-in without affecting the overall safety of the facility.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per facility inspected.

G-115

ARE OPERATIONS CONDUCTED IN ACCORDANCE WITH APPROVED APPLICATIONS?

Authority: 802

Enforcement Action: W/C/S

410

1202(a)(1)

1203(b)(1)

1204(a)(1)

INSPECTION PROCEDURE:

Verify that operations are being conducted in accordance with the approved application, i.e., APD's, AFE and SAC charts, surface commingling and production measurement approvals, etc.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC when the violation of the application poses no immediate danger to personnel, equipment, or the environment.

Issue a component shut-in (C) INC for a specific piece of equipment or location when the violation of the application poses an immediate danger to personnel, equipment, or the environment and it can be shut-in without affecting the overall safety of the facility.

Issue a facility shut-in (S) INC when the violation of the application poses an immediate danger to the entire facility, personnel, or the environment and the specific piece of equipment or location cannot be shut-in without affecting the overall safety of the facility.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per facility, per enforcement action.

Note: The onsite inspector is instructed not to issue an INC when the operator's safety devices, systems, and equipment are installed and function in accordance with an approved "IN ERROR BY THE PRODUCTION ENGINEER" SAFE chart and Flow Diagram. Approvals made in error by MMS will be communicated to the operators by the production engineer.

G-116

ARE OPERATIONS CONDUCTED IN ACCORDANCE WITH APPROVED PLANS?

Authority: 30 CFR 250.200

Enforcement Action: W/C/S

30 CFR 254.2

INSPECTION PROCEDURE:

Verify that operations are being conducted in accordance with the approved plans, i.e., POE's, DOCD's, oil spill response.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC when the violation of the plan poses no immediate danger to personnel, equipment, or the environment.

Issue a component shut-in (C) INC for a specific piece of equipment or location when the violation of the plan poses an immediate danger to personnel, equipment, or the environment and it can be shut-in without affecting the overall safety of the facility.

Issue a facility shut-in (S) INC when the violation of the plan poses an immediate danger to the entire facility, personnel, or the environment and the specific piece of equipment or location cannot be shut-in without affecting the overall safety of the facility.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per facility.

RECORDS

G-117

HAVE REQUIRED APPLICATIONS, REPORTS, STATEMENTS, OR FORMS BEEN RECEIVED AND ANY NECESSARY APPROVALS OBTAINED PRIOR TO CONDUCTING AN ACTIVITY OR OPERATION WITHIN THE TIME FRAME SPECIFIED BY REGULATIONS?

Authority: 465

Enforcement Action: W/C/S

513(a)

613(a)

613(d)

1008

1202(c)(4)

1202(d)(5)

1202(f)(2)

1203(b)(1)

1203(b)(6)

1203(b)(8)

1203(b)(9)

INSPECTION PROCEDURE:

Verify that submittals (i.e., APM, drilling reports, EOR, etc.) have been provided in the time frame required, and that required applications have been submitted and approvals obtained prior to conducting an activity or operation, i.e. surface commingling and production measurement approval prior to commencing production.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC when the violation of the application poses no immediate danger to personnel, equipment, or the environment.

Issue a component shut-in (C) INC for a specific piece of equipment or location when the violation of the application poses an immediate danger to personnel, equipment, or the environment and it can be shut-in without affecting the overall safety of the facility.

Issue a facility shut-in (S) INC when the violation of the application poses an immediate danger to the entire facility, personnel, or the environment and the specific piece of equipment or location cannot be shut-in without affecting the overall safety of the facility.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per facility.

Note: The onsite inspector is instructed not to issue an INC when the operator's safety devices, systems, and equipment are installed and function in accordance with an approved "IN ERROR BY THE PRODUCTION ENGINEER" SAFE chart and Flow Diagram. Approvals made in error by MMS will be communicated to the operators by the production engineer.

ACCIDENT REPORTING

G-131

HAS THE DISTRICT MANGER BEEN NOTIFIED WITH A WRITTEN REPORT WITHIN 15 DAYS OF THE INCIDENT INVOLVING ALL: FATALITIES, INJURIES INVOLVING LOST TIME AND EVACUATION, LOSS OF WELL CONTROL, FIRES, EXPLOSIONS, H2S RELEASES AS DEFINED BY 30 CFR 250.490(1), COLLISIONS, STRUCTURAL DAMAGES, CRANE INCIDENTS, SAFETY SYSTEM DAMAGES, GAS RELEASES THAT INITIATE EQUIPMENT OR PROCESS SHUTDOWN, ALL INCIDENTS THAT RESULT IN DAMAGES GREATER THAT \$25,000, AND ALL INCIDENTS THAT REQUIRE PERSONNEL TO MUSTER FOR EVACUATION AND ARE CONNECTED TO ANY OPERATIONS OR ACTIVITIES ON A LEASE, RIGHT-OF-USE AND EASEMENT, PIPELINE RIGHT-OF-WAY, OR OTHER PERMIT ISSUED BY MMS?

Authority: 30 CFR 250.187
30 CFR 250.188
30 CFR 250.189
30 CFR 250.190
30 CFR 250.191
30 CFR 250.490

Enforcement Action: W

INSPECTION PROCEDURE:

1. Verify that the DM has been notified of all the above listed incidents connected with any activities on a lease.
2. Verify that all reporting requirements listed in 30 CFR 250. 187,188,190,191,490 have been included and submitted to the DM in a written report within 15 days of the incident.

IF NONCOMPLIANCE EXISTS:

Issue one warning (W) INC for an incident/accident on a lease if the District Manager has not been notified by the lessee as required.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per incident.

G-132

HAS THE DISTRICT MANGER BEEN VERBALLY NOTIFIED IMMEDIATELY FOLLOWING INCIDENTS INVOLVING ALL: FATALITIES, INJURIES REQUIRING EVACUATION, LOSS OF WELL CONTROL, FIRES, EXPLOSIONS, H₂S RELEASES AS DEFINED IN 30 CFR 250.490(1), COLLISIONS, STRUCTURAL DAMAGES, CRANE INCIDENTS AND SAFETY SYSTEM DAMAGES CONNECTED WITH ANY OPERATIONS OR ACTIVITIES ON A LEASE, RIGHT-OF-USE AND EASEMENT, PIPELINE RIGHT-OF-WAY, OR OTHER PERMIT ISSUED BY MMS?

Authority: 30 CFR 250.187
30 CFR 250.188
30 CFR 250.189
30 CFR 250.191
30 CFR 250.490

Enforcement Action: W

INSPECTION PROCEDURE:

1. Verify that the District Manager has been notified of all the above listed incidents connected with any activities on a lease.
2. Verify that all reporting requirements listed in 30 CFR 250.187,188,189,191,490 have been included and submitted to the District Manager via oral communication immediately following the above incident.

IF NONCOMPLIANCE EXISTS:

Issue one warning (W) INC for an incident/accident on a lease and/or OCS facility if the District Manager has not been notified by the lessee or operator as required.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per incident.

ENGINES

G-150 IS ALL EXHAUST PIPING FROM EACH DIESEL ENGINE OR ENGINE-DRIVEN EQUIPMENT EQUIPPED WITH SPARK ARRESTERS?

Authority: 803(b)(5)(i)
112(a)

Enforcement Action: C

INSPECTION PROCEDURE:

Inspect each diesel engine or engine-driven equipment to verify that it is equipped with a spark arrester on the exhaust piping.

1. Includes all contract and rental equipment whether temporary or permanent installation.
2. Straight exhaust not acceptable.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for the diesel engine or engine-driven equipment when the exhaust piping is not equipped with a spark arrester.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each engine inspected.

G-152 IS EACH ENGINE EXHAUST AND OTHER HOT SURFACES EQUIPPED TO COMPLY WITH THE INSULATION AND PERSONNEL PROTECTION REQUIREMENTS OF API RP 14C, SECTION 4.2.4.4 and 4.2.5?

Authority: 803(b)(5)

Enforcement Action: C

INSPECTION PROCEDURE:

Inspect each engine and exhaust piping to verify that:

1. Any surface with a normal operating temperature in excess of 160°F and the hot surface is located where accidental contact by unprotected personnel is likely:
 - A. Has insulation been provided, or
 - B. Is protected by vapor barriers, splash plates, water cooling, caution signs, or isolation barriers such as deck grating which isolates hot surface area.

Note: On turbo-chargers, exhaust manifolds, compressor heads, expansion bottles, etc., insulation could cause mechanical failure from overheating.

2. Any surface with a temperature in excess of 400°F is protected from spillage or leakage of crude oil.
3. Any surface with a temperature in excess of 725°F is protected from accumulations of combustible gasses.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC when:

1. Engine exhaust piping is not protected as required.
2. Existing insulation or protection is insufficient, does not provide adequate protection or deteriorated to such a degree that protection is not provided.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each engine inspected.

G-153 ARE ALL ENGINES WITH ELECTRICAL IGNITIONS DESIGNED AND MAINTAINED TO REDUCE THE RELEASE OF ELECTRICAL ENERGY?

Authority: 114(d)

Enforcement Action: C

Note: Two acceptable alternatives are a low-tension ignition system or a shielded ignition system.

INSPECTION PROCEDURE:

Inspect each engine with an electrical ignition system to verify that the system is maintained and designed to reduce the release of electrical energy.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC if the engine is not equipped with an acceptable electrical ignition system.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each engine inspected.

G-155

FOR DIESEL ENGINES THAT ARE CONTINUOUSLY MANNED, IS A MANUAL OR AUTOMATIC AIR INTAKE SHUTDOWN DEVICE INSTALLED?

Authority: 405(b)

Enforcement Action: C

405(c)

510

610

803(b)(5)(ii)

INSPECTION PROCEDURE:

Verify the installation of one of the following:

1. Manual air intake shutdown device.
2. Automatic air intake shutdown device.

Perform check when engine is not in operation - check for corrosion and ease of movement.

Note:

1. Do not operate a non-resettable device or a bottled air system (check bottle pressure only).
2. An air-intake shutdown device is not required to be installed on a diesel engine that starts a larger engine, provides air supply to divers or confined entry personnel, or that powers any of the following:
 - A. Firewater pumps;
 - B. Emergency generators;
 - C. BOP accumulator systems;
 - D. Temporary equipment on nonproducing platforms;
 - E. Portable single cylinder rig washers; and
 - F. Engines on escape capsules.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for the engine when it is not equipped as required.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each engine inspected

G-156

FOR DIESEL ENGINES THAT ARE NOT CONTINUOUSLY MANNED, IS AN AUTOMATIC AIR INTAKE SHUTDOWN DEVICE INSTALLED?

Authority: 405(a)

Enforcement Action: C

405(c)

510

610

803(b)(5)(ii)

INSPECTION PROCEDURE:

Verify the installation of an automatic air intake shutdown device.

Check engine:

1. Not running - check for corrosion and ease of movement.
2. Running - shut down engine with device.

Note:

1. Do not operate a non-resettable device or a bottled air system (check bottle pressure only).
2. An air-intake shutdown device is not required to be installed on a diesel engine that starts a larger engine, provides air supply to divers or confined entry personnel, or that powers any of the following:
 - A. Firewater pumps;
 - B. Emergency generators;
 - C. BOP accumulator systems;
 - D. Temporary equipment on nonproducing platforms;
 - E. Portable single cylinder rig washers; and
 - F. Engines on escape capsules.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for the engine when it is not equipped as required.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each engine inspected

MARKING OF EQUIPMENT

(Last update - December 1998)

G-250

ARE ALL LOOSE MATERIALS, SMALL TOOLS, AND OTHER SMALL OBJECTS KEPT IN A STORAGE AREA OR A MARKED CONTAINER WHEN NOT IN USE?

Authority: 300(c)(1)

Enforcement Action: W

INSPECTION PROCEDURE:

Verify that all loose materials, small tools, and other small objects are kept in storage area or a marked container when not in use.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC if loose materials, small tools, or other small objects are not stored when not in use.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per facility

G-251

ARE SKID-MOUNTED EQUIPMENT, PORTABLE CONTAINERS, SPOOLS OR REELS, AND DRUMS CLEARLY MARKED WITH THE OWNER'S NAME WITH A MEDIA DURABLE ENOUGH TO RESIST THE EFFECTS OF THE ENVIRONMENTAL CONDITIONS?

Authority: 300(c)(3)

300(c)(4)

Enforcement Action: W

DEFINITION:

Durable - Any marking method that will withstand the environment with the exception of the following, which are not considered to be durable:

1. Chalk
2. Grease pencil or crayon
3. Marking pens
4. Non-waterproof decals
5. Water based paints (an onsite test, such as rubbing the marking with a wet cloth may help in distinguishing the durability of the media being used).

INSPECTION PROCEDURE:

1. Visually inspect each skid-mounted equipment, portable container, spool, reel, and drum to verify that it is marked with the owner's identification.
2. Verify that the markings are legible and durable enough to resist the effects of the environmental conditions.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC if any skid-mounted equipment, portable container, spool, reel, or drum is not marked as required or not durable enough to resist the effects of the environmental conditions.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per facility

G-253

ARE ALL MATERIALS, EQUIPMENT, TOOLS, CONTAINERS, AND OTHER ITEMS THAT ARE LOST OVERBOARD RECORDED ON THE FACILITY'S DAILY OPERATIONS REPORT?

Authority: 300(d)

Enforcement Action: W

INSPECTION PROCEDURE:

Review the facility's daily operations log to determine if equipment lost overboard is recorded.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC if items lost overboard are not recorded in the facility's daily operations log.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC per facility

WELDING AND BURNING

- G-300** **IS A COPY OF THE WELDING, BURNING, AND HOT TAPPING PLAN AND APPROVAL LETTER AVAILABLE ON THE FACILITY?**
Authority: 109(b)(1) **Enforcement Action:** W
418(e)
INSPECTION PROCEDURE:
1. Verify that a copy of the plan is at the facility.
2. Verify that the plan approval letter is at the facility.
IF NONCOMPLIANCE EXISTS:
Issue a warning (W) INC when a copy of the plan or the approval letter is not available on the facility.
INSPECTION COUNT/ INC COUNT:
Enter one item checked/ issue one INC per facility
-
- G-301** **IS A DRAWING SHOWING THE LOCATIONS OF SAFE WELDING AND BURNING AREAS MAINTAINED ON THE FACILITY?**
Authority: 109(b)(2) **Enforcement Action:** W
INSPECTION PROCEDURE:
Verify that a drawing showing the safe welding and burning areas is on the facility.
Note: A drawing is not required if a safe welding and burning area has not been designated.
IF NONCOMPLIANCE EXISTS:
Issue a warning (W) INC if the required drawing is not available.
INSPECTION COUNT/ INC COUNT:
Enter one item checked/ issue one INC per facility
-
- G-302** **IS ALL WELDING AND BURNING EQUIPMENT INSPECTED BY THE WELDING SUPERVISOR OR THE LESSEE'S DESIGNATED PERSON IN CHARGE PRIOR TO BEGINNING ANY WELDING, BURNING, OR HOT TAPPING?**
Authority: 111 **Enforcement Action:** C
INSPECTION PROCEDURE:
Verify that all welding and burning equipment has been inspected by either the welding supervisor or the lessee's designated person in charge prior to beginning any welding, burning, or hot tapping operation.
IF NONCOMPLIANCE EXISTS:
Issue a component shut-in (C) INC for the equipment if it has not been inspected as required.
INSPECTION COUNT/ INC COUNT:
Enter one item checked/ issue one INC for each operation inspected.
-
- G-303** **IS EQUIPMENT CONTAINING HYDROCARBONS OR OTHER FLAMMABLE SUBSTANCES RELOCATED AT LEAST 35 FEET HORIZONTALLY FROM THE WELDING SITE, 35 FEET HORIZONTALLY FROM THE POINT OF IMPACT OF SLAG, SPARKS, OR BURNING MATERIALS AT A LOWER ELEVATION, OR IS IT OTHERWISE PROTECTED?**
Authority: 113(a) **Enforcement Action:** C
INSPECTION PROCEDURE:
1. Verify by measurement that equipment containing hydrocarbons or other flammable substances are relocated at least 35 feet horizontally from the site of the welding operation.
2. Verify by measurement that equipment containing hydrocarbons or other flammable substances are relocated at least 35 feet horizontally from the point of impact below the welding operation of slag or burning material.
3. If relocation is impractical, are the equipment and contents:
 A. Protected with flame-proof covers,
 B. Shielded with metal or fire-resistant guards/curtains, or
 C. Rendered inert?
IF NONCOMPLIANCE EXISTS:
Issue a component shut-in (C) INC if equipment is not relocated or protected as required.
INSPECTION COUNT/ INC COUNT:
Enter one item checked/ issue one INC for each operation inspected.
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G-304

ARE WELDING LEADS COMPLETELY INSULATED AND IN GOOD CONDITION?

Authority: 112(b)

Enforcement Action: C

INSPECTION PROCEDURE:

Visually inspect to verify that welding lead insulation is in good condition.

Note: Leads with severely cracked or frayed insulation, exposed lead wire, and electrical tape splices are unacceptable.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for the welding unit when the welding lead insulation is not in good condition.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each welding unit inspected.

G-305

ARE OXYGEN AND FUEL BOTTLES SECURED IN A SAFE PLACE?

Authority: 112(d)

Enforcement Action: W/C

INSPECTION PROCEDURE:

Verify that the oxygen and fuel gas bottles are secured in a safe place.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC if welding or burning is not in progress and the bottles are not secured in a safe place.

Issue a component shut-in (C) INC for the welding or burning operation if the bottles are not secured in a safe place and gas welding is in progress.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each facility inspected.

G-306

ARE HOSES LEAK-FREE AND EQUIPPED WITH FITTINGS, GAUGES, AND REGULATORS?

Authority: 112(c)

Enforcement Action: C

INSPECTION PROCEDURE:

Inspect each welding or burning unit to verify that the bottles are equipped with fittings, gauges, regulators, and leak-free hoses.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for the welding or burning unit if it is not equipped as required.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each welding or burning unit inspected.

WELDING AND BURNING OPERATIONS OUTSIDE APPROVED AREAS

G-309 **PRIOR TO THE COMMENCEMENT OF ANY WELDING OR BURNING OPERATION IN AREAS OTHER THAN APPROVED SAFE WELDING OR BURNING AREAS, HAS THE LESSEE'S DESIGNATED PERSON IN CHARGE ISSUED A WRITTEN AUTHORIZATION FOR THE WORK?**

Authority: 113(c)(1)(i)

Enforcement Action: C

INSPECTION PROCEDURE:

Examine the operator's records and any operations in progress to verify that the lessee's designated person in charge of the installation issued a written work authorization prior to the start of the operation for any welding or burning operation that could not be performed in the safe-welding area identified in the approved Welding, Burning, and Hot Tapping Safe Practices and Procedures Plan.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for the welding operation when the operation is in progress without the required work authorization.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each welding and burning operation inspected.

G-310 **IN AREAS OTHER THAN APPROVED SAFE WELDING AND BURNING AREAS, HAVE PIPING, CONTAINERS, TANKS, OR OTHER VESSELS ON WHICH WELDING OR BURNING OPERATIONS ARE CONDUCTED, AND WHICH HAVE CONTAINED A FLAMMABLE SUBSTANCE, BEEN RENDERED INERT AND SAFE?**

Authority: 113(c)(3)

Enforcement Action: C

DEFINITION:

Rendered inert - Purged and filled with nitrogen.

INSPECTION PROCEDURE:

1. Examine operator's records to verify that the contents of any piping, containers, tanks, atmospheric drains or vessels on which welding or burning has been conducted, had been rendered inert, and that all upstream valves had been shut off, prior to welding and burning operations.
2. If welding or burning operations are being conducted in areas other than approved safe welding or burning areas, verify that all piping, containers, tanks, and vessels that are being welded or burned have been rendered inert and upstream valves are shut off.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for welding operations if records or examinations indicate that piping, containers, tanks, or vessels involved in the welding and burning operations have not been rendered inert and safe prior to the operations.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each operation inspected.

G-311 **FOR WELDING AND BURNING OPERATIONS IN AREAS OTHER THAN APPROVED SAFE WELDING AND BURNING AREAS, HAS ONE OR MORE PERSONS, WITH NO OTHER DUTIES DURING WELDING OR BURNING OPERATIONS, BEEN DESIGNATED AS FIRE WATCH?**

Authority: 113(c)(2)

Enforcement Action: C

INSPECTION PROCEDURE:

If welding or burning operations are in progress in areas not approved as safe welding or burning areas, verify that a person is designated as a fire watch and that the fire watch has no other duties.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for the operation if a person has not been designated as fire watch or the person has other duties.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each welding or burning operation inspected

G-312

FOR WELDING AND BURNING OPERATIONS IN AREAS OTHER THAN APPROVED SAFE WELDING AND BURNING AREAS, DOES THE FIRE WATCH MAINTAIN A CONTINUOUS SURVEILLANCE WITH A PORTABLE GAS DETECTOR DURING THE WELDING AND BURNING OPERATION IF THE OPERATION IS TO BE IN AN AREA WHICH IS NOT EQUIPPED WITH A GAS DETECTOR?

Authority: 113(c)(2)(iv)

Enforcement Action: C

INSPECTION PROCEDURE:

If welding or burning operations are in progress in areas not approved as safe for such operations, verify that the person designated as fire watch maintains continuous surveillance with a portable gas detector if the area is not equipped with a gas detector.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for the welding operation if the person designated as fire watch does not maintain continuous surveillance with a portable gas detector if the area is not equipped with a gas detector.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each welding or burning operation inspected

G-313

FOR WELDING AND BURNING OPERATIONS IN AREAS OTHER THAN APPROVED SAFE WELDING AND BURNING AREAS, DOES THE FIRE WATCH HAVE USABLE FIREFIGHTING EQUIPMENT IN THEIR POSSESSION?

Authority: 113(c)(2)(ii)

Enforcement Action: C

DEFINITION:

Possession - Located in the immediate area and readily accessible.

INSPECTION PROCEDURE:

If a welding or burning operation is in progress in an area not approved as safe for such operations, verify that the fire watch has operable firefighting equipment in their possession prior to the start of the operation.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for the welding operation if the fire watch does not have operable firefighting equipment in their possession.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each welding or burning operation inspected

G-314

FOR WELDING AND BURNING OPERATIONS IN AREAS OTHER THAN APPROVED SAFE WELDING AND BURNING AREAS, DOES THE FIRE WATCH REMAIN ON DUTY FOR A PERIOD OF 30 MINUTES AFTER WELDING OR BURNING OPERATIONS HAVE BEEN COMPLETED?

Authority: 113(c)(2)(iii)

Enforcement Action: W

INSPECTION PROCEDURE:

If a welding or burning operation is in progress in an area not approved as safe for such operations, verify that the fire watch remains on duty for a period of 30 minutes after welding and burning operation is completed.

IF NONCOMPLIANCE EXISTS:

Issue a warning (W) INC when the fire watch is not on duty for 30 minutes after the operation is completed.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each welding or burning operation inspected

G-315

FOR WELDING AND BURNING OPERATIONS IN AREAS OTHER THAN APPROVED SAFE WELDING AND BURNING AREAS, DOES THE WELL(S) IN THE AREA WHERE DRILLING, WELL-COMPLETION, WELL-WORKOVER, OR WIRELINE OPERATIONS ARE IN PROGRESS CONTAIN NONCOMBUSTIBLE FLUIDS OR IS THE ENTRY OF FORMATION HYDROCARBONS INTO THE WELLBORE PRECLUDED?

Authority: 113(c)(6)

Enforcement Action: C

INSPECTION PROCEDURE:

If a welding or burning operation is in progress in an area not approved as safe for such operations, verify that:

1. The fluids in the well being drilled, completed, worked over, or having wireline operations conducted are noncombustible.
2. The entry of hydrocarbons into the wellbore have been precluded by either mechanical means or a positive overbalance toward the formation.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for welding operations if examination or records indicate that wells containing combustible fluid were not filled with noncombustible fluids or shut-in prior to welding or burning operations.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each welding or burning operation inspected

G-316

FOR WELDING AND BURNING OPERATIONS IN AREAS OTHER THAN APPROVED SAFE WELDING AND BURNING AREAS, ARE ALL PRODUCING WELLS IN THE WELL-BAY OR PRODUCTION AREA SHUT-IN AT THE SURFACE SAFETY VALVE IF WELDING OR BURNING OPERATIONS ARE CONDUCTED IN, OR WITHIN 10 FEET OF, A WELL-BAY OR PRODUCTION AREA?

Authority: 113(c)(4)

Enforcement Action: C

113(c)(5)

INSPECTION PROCEDURE:

If a welding or burning operation is in progress in an area that is not approved as safe for such operations and that is in, or within 10 feet of, the well-bay or production areas, visually inspect to ensure that the surface safety valve is in the closed position.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for welding operations if the surface safety valve is not closed when welding operations are being conducted in, or within 10 feet of, a well-bay or production area.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each welding or burning operation inspected, per well bay or production area.

G-317

ARE ALL WATER-DISCHARGE-POINT SOURCES FROM HYDROCARBON-HANDLING VESSELS MONITORED IN ORDER TO STOP WELDING AND BURNING OPERATIONS IN CASE FLAMMABLE FLUIDS ARE DISCHARGED AS A RESULT OF EQUIPMENT UPSET OR MALFUNCTION?

Authority: 113(b)

Enforcement Action: C

INSPECTION PROCEDURE:

If a welding or burning operation is in progress, visually inspect to verify that each water-discharge-point source is monitored.

IF NONCOMPLIANCE EXISTS:

Issue a component shut-in (C) INC for the welding operation if a water-discharge-point source is not monitored.

INSPECTION COUNT/ INC COUNT:

Enter one item checked/ issue one INC for each welding or burning operation inspected
