

Document Title:

Noble Energy Falklands Limited – Exploratory Drilling – Waste Management Plan – Tier 4

Rev Comments	Revision Date	Owner	Approver
Final - Issued for Use	November 5, 2015	EHSR Coordinator	EHSR Manager



No. 013-15-EHSR-WMP-PA-T4

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1 PURPOSE

The purpose of this Noble Energy Falklands Limited (NEFL) – Exploratory Drilling Waste Management Plan (WMPA) is to define how waste will be managed from generation through storage to transportation and disposal, including associated documentation and reporting. The WMPA will also serve as a guide to waste storage and disposal.

This WMPA sets out to accomplish the following:

- Summarize waste management activities associated with drilling operations, support operations;
- Establish accountability;
- Promote the minimization of the amounts of waste generated by the drilling program;
- Establish required segregation of waste by type and the appropriate storage to prevent emissions and leaks;
- Promote recycling or re-use, where possible, for scrap metal, waste oil, and surplus chemicals;
- Identify proper documentation, permits, and licenses;
- Define that waste is to be sent to authorized landfills or incineration facilities when no other re-use or disposal option is available; and
- Establish a clear chain of ownership for all waste through the use of waste manifests from generation until final disposal.

2 SCOPE

This WMPA applies to all waste generated by drilling and support activities associated with NEFL, a subsidiary of Noble Energy, Inc. (NEI), exploration drilling operations, which includes but is not limited to the drilling rig, offshore supply vessels (OSVs) (or platform supply vessels [PSVs] including the emergency response and rescue vessel [ERRV]), and onshore facilities. NEFL personnel will be responsible for applying the standards and procedures defined in this WMPA.

3 GLOBAL EHS MANAGEMENT SYSTEM APPLICABILITY

The implementation of this WMPA conforms to the NEI *Global Environment, Health and Safety (EHS) Management System* (GMS) and establishes policy for environmental, personnel, and public protection and will be followed for waste management activities. The implementation of this WMPA conforms to the following GMS elements:

- Element 1 Management Commitment and Employee Participation;
- Element 2 Legal Aspects and Document Control;
- Element 3 Safe Work and Operating Practices;



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- Element 6 Safety and Environmental Training;
- Element 7 Contractor Safety Management;
- Element 10 Risk Assessment and Management;
- Element 11 Performance Monitoring and Measuring;
- Element 12 Incident Reporting, Analysis, and Corrective Action; and
- Element 14 Operational Integrity and Continual Improvement.

4 ROLES AND RESPONSIBILITIES

4.1 EHSR MANAGER

The EHSR Manager is ultimately accountable for the fulfilment of this WMPA – Tier 4 document. In addition, the EHSR Manager will: (1) review and assess this WMPA within the first quarter every year; (2) facilitate the implementation of the WMPA as new rigs / vessels or contractors are deployed; (3) liaise between the EHSR Department and the in-country personnel (employees and contractors); (4) work closely with the in-country personnel in the event there are deviations from the WMPA, planned and unplanned; (5) make recommendations to management regarding formal resource allocation; (6) assist with training efforts; and (7) approve changes to the WMPA and any supporting documents and training.

4.2 OPERATIONS MANAGEMENT

Operations management will: (1) confirm the effectiveness of this WMPA; (2) ensure compliance with this WMPA and any applicable regulations / requirements; (3) ensure that only competent / qualified personnel perform monitoring and verification activities; (4) identify measures to reduce to reduce waste generated during drilling; and (5) provide resources (personnel, training, and equipment) for the implementation of this WMPA.

4.3 EHSR COORDINATOR

The EHSR Coordinator will: (1) assess the adequacy and effectiveness of this WMPA; (2) monitor the performance of the work as it relates to implementation of the WMPA; (3) review monthly reports associated with the monitoring and verification activities; (4) ensure this WMPA is revised in the event additional sampling, monitoring, and / or verification is required; (5) report any non-conformances to the EHSR Manager; and (6) review and approve any deviations from the WMPA.

4.4 EHS ADVISOR(S)

The EHS Advisor(s) will be stationed both onshore and onboard the rig. The EHS Advisor will: (1) administer this WMPA; (2) ensure compliance with applicable requirements; (3) be responsible for upkeep of relevant logs and records; (4) confirm all individuals involved in waste management activities (e.g., storage, handling, transportation, etc.) are appropriately trained and competent; (5) ensure the monitoring and verification is being conducted and reported according to the specifications in this WMPA; and (6) notify the EHSR Coordinator of any non-conformances.



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4.5 EMPLOYEES AND CONTRACTORS

The employees and contractors who are involved in waste handling activities are an integral part of successfully implementing this WMPA. These individuals will: (1) separate the different wastes into the proper containers; (2) properly label the waste; (3) load and ship the waste with the proper paperwork; (4) maintain the appropriate documentation; (5) file required reports; and (6) notify the EHSR Coordinator of any non-conformances.

5 REGULATORY GUIDELINES FOR WASTE MANAGEMENT

Currently there is no waste-specific legislation enacted in the Falkland Islands. Therefore, NEFL has developed this WMPA to comply with UK legislations and NEI waste management guidelines/standards. NEFL requires that waste be minimized in a manner that follows the waste reduction hierarchy, as seen in the following section.

NEFL shall adhere to the duty of care provisions for all waste streams as per the Environmental Protection Regulations of 1991 (Duty of Care). Waste streams that cannot be recycled or disposed at a Falkland Island waste facility will be shipped to existing waste management sites in the UK.

The management, storage and handling of waste on the rig and OSVs, while operating on behalf of NEFL, will be done in accordance with the following regulations:

- UK Legislations:
 - Waste Management Licensing Regulations of 1995;
 - o Hazardous Waste (England and Wales) Regulations of 2005; and
 - o Waste (England and Wales) Regulations of 2011.
- Falkland Islands Law:
 - Marine Environment (Protection) Ordinance of 1995;
 - Deposits in the Sea (Exemptions) Order of 1995:
 - o Environment Protection (Overseas Territories) Order of 1988; and
 - Environment Protection (Overseas Territories) (Amendment) Order of 1997.
- International Conventions:
 - o Basel Convention of 1992; and
 - o MARPOL Convention (Annex V) 1973/78.
- International Association of Oil and Gas Producers (OGP) Guidelines and EU Regulations:
 - OGP Guidelines for waste management with special focus on areas with limited infrastructure (2008); and
 - Waste Shipping Regulations (EC Regulation No. 1013/2006).



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6 WASTE REDUCTION

The promotion of the minimization of the amounts of waste generated by the drilling program is a primary aim of waste management. In order to reduce the amount of waste generated, all stages of the drilling program will emphasize the need to:

- Reduce waste though efficient practices;
- Re-use waste when possible;
- Recycle materials when possible;
- Recover waste materials that can be used for other purposes;
- Neutralize, detoxify, and / or destroy wastes so they are less harmful to personnel and the environment;
- Dispose of remaining wastes that could not be reduced, re-used, recycled, recovered and / or neutralized, detoxified and / or destroyed; and
- Substitute less hazardous materials for use in operations activities, whenever possible.

7 WASTE TYPES AND HANDLING

All materials and wastes shall be identified (as non-hazardous or hazardous) segregated, and handled accordingly.

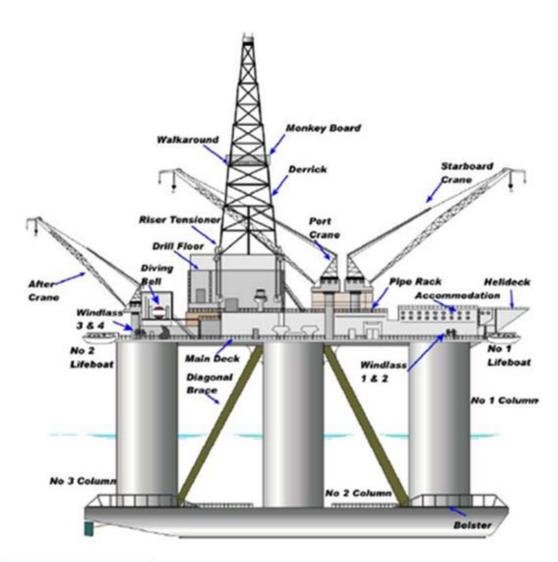
Proper personal protective equipment (PPE) must be worn as specified on the associated Safety Data Sheet (SDS). At a minimum, standard PPE including steel toe boots, safety gloves (as needed), safety glasses, and hard hat should be worn when handling waste with the exception of throwing domestic trash into the proper receptacle. Refer to Appendix 1 for the Waste Register.

Figure 1.1 provides a summary of estimated waste generation arising from the exploration drilling campaign. The estimated total (in tonnes [T]) for the whole drilling campaign is based on the assumption that the rig will be engaged in operations for a total of 270 days with 75 days assumed for emissions and waste generations, in case of delays.



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Figure 1.1: Total Waste Generation Summary



Solid Waste



7.1 NON-HAZARDOUS WASTE

The category, non-hazardous waste, includes domestic waste and waste which is not hazardous or clinical waste. The non-hazardous waste is handled as described below.



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Domestic Waste

General trash / domestic wastes are disposed per the following as detailed in the waste register:

- Paper, plastic, and can wastes, that can be recycled, are segregated and compacted in a carousel compacter and then sent for recycling. The remainder will be segregated, compacted, and sent for incineration; and
- General wastes are compacted and sent to shore for incineration.

Food Waste

Food waste is separated from garbage in the galley and grounded in a MARPOL compliant and auditable macerator, which leads to the discharge pipe overboard.

Scrap Metal and Wood

Scrap metal and wood are segregated into designated open-top skips and transported to shore for disposal or recycling.

Empty Containers

Empty drums, tote tanks and other oil or chemical containers (after NEFL personnel ensure that the container is empty) are either returned to the supplier or they will be crushed / cut into pieces (to prevent unauthorized use of the containers) and readied for disposal.

7.2 HAZARDOUS WASTE

Used / Waste Oil

Used / waste oil is collected in tote tanks clearly labelled as "Used / Waste Oil" and are placed into designated satellite accumulation containers which are combined for disposal.

Used Oil Filters

Used oil filters are drained and placed in an appropriate storage container / drum. Once the container is full, it is transported to the designated storage location (onshore) and accumulated for disposal.

Oily Wastes

Oily waste includes any item or material such as rags, gloves, containing crude oil, motor oil, grease or petroleum fluids. These are placed into designated satellite accumulation containers which are combined for disposal.

Unused Helicopter Fuel

Unused helicopter fuel will come from the rig in sealed containers. This fuel will be transported to Stanley Growers as soon as possible as to not accumulate at the shore base facility.

Paint Waste

It is the intent not to accumulate any paint wastes. All paints and thinners are consumed for rig maintenance activities.

• Empty dry water-based paint can containers are placed in the general waste; and



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• Empty dry oil-based paint can containers are disposed of as hazardous waste.

7.2.1 Medical Waste

Medical waste, also known as "clinical waste", is healthcare waste that may prove hazardous to those that come into contact with it unless rendered safe. Medical waste will be incinerated as detailed in the Waste Register. This includes, but is not limited to:

- Human tissue:
- Blood or other bodily fluids;
- Excretions:
- Expired drugs or other pharmaceutical products;
- Soiled swabs or dressings; and
- Syringes, needles, or other sharp instruments.

Clinical waste is collected into groups that present different hazards. These groups of waste are described below.

Medical Waste

Medical waste is waste contaminated with body fluids, soiled surgical dressings, swabs, linen, human tissue, items of clothing and other similar soiled waste. This waste is placed in double-layered purpose-made plastic red biohazard bags and clearly marked "BIOHAZARD". The bag should be no more than three quarters (3/4) filled nor exceed a maximum weight of 4kg. The bag must be securely tied.

Sharps

Sharps must be collected in purpose-made sharps containers clearly marked "BIOHAZARD". When the container is three-quarters (3/4) full, the container must be securely closed. In no event should attempts be made to open a sealed sharps container. Sealed sharps containers should not be placed in plastic biohazard bags for disposal.

Expired Drugs

All expired drugs and pharmaceutical items for disposal will be removed from the installation's inventory. All items will be properly logged (i.e., name, quantity, and expiration date) and packaged in an appropriate sealed container or box and labelled to indicate whether it is over the counter (OTC) or prescription drugs. Plastic biohazard bags should not be used for this purpose.

Shipment of prescription drugs must be handled separately. The Medic will label the container to denote that it contains prescription drugs. The Medic must store the sealed expired prescription until time for shipment to shore. The Onshore Logistics Coordinator shall receive the shipment and ensure the container remains sealed and in a controlled area prior to shipment to the ultimate disposal facility. The Medic shall hand carry all expired narcotic drugs to shore for disposal to ensure proper chain of custody is maintained.

7.2.2 Other Waste

All other waste that is not the typical waste generated for the specific location will be classified, labeled handled and stored according to requirements for the waste. The EHS Advisor, or



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designee, will verify and provide information regarding requirements for the waste. The waste will then be transported to the appropriate designated waste storage area. For example:

- Cooking oil and grease from the deep fat fryer is to be collected in the original containers. Cooking oil and grease will be disposed of according to oily waste protocols.
- Aerosol cans are punctured and drained using a puncturing system which accumulates aerosol residue. The accumulated residue drum is labelled as "Waste Aerosol Residue". The punctured / drained cans are disposed in the scrap metal container.
- Pyrotechnics are collected in a pyrotechnics box on the bridge deck and from there placed in a dedicated container to be shipped to shore.
- Material found to have readings ≥ 50 micro- Roentgen per hour (>50µR/hr) above background will be treated as Naturally Occurring Radioactive Material (NORM). It is not envisioned that radioactive waste will be generated during the drilling campaign.
- Explosive waste shall be placed in an appropriate storage container, marked, locked and placed in a predetermined explosives area. It is not envisaged that explosive waste will be generated.

Other hazardous waste is managed according to the Waste Register (see Appendix 1).

7.3 WASTE REGISTER

The EHS Advisor, or designee, shall ensure the Waste Register, found in Appendix 1, is created and maintained for all waste. The EHS Advisor, or designee, shall also ensure waste is properly classified, segregated, packaged, and labelled. Additionally, a flow diagram is included in Appendix 1 to further support the implementation of the Waste Register. The Waste Register will be reviewed by the EHS Advisor, or designee, on a monthly basis, at a minimum. If the Waste Register requires revision, then the EHS Advisor, or designee, shall submit a request for revision to the EHSR Coordinator using the Waste Management Plan Revision Request Form found in Appendix 2. If the revision involves a new waste type, then the EHS Advisor, or designee, shall assist with obtaining a waste code and will ensure proper storage, transportation, and disposal arrangements.

The EHS Advisor, or designee, shall also communicate with the Person-In-Charge (PIC) at each OSV and the rig regarding any changes to their respective Waste Registers to ensure proper handling of the waste.

SEGREGATION AND LABELING

Waste will be segregated into designated skips and waste containers while onboard the rig and OSVs. Hazardous storage areas onboard the rig and OSVs shall be clearly marked with a sign stating "Hazardous Waste Staging Area / Transfer Station".

Waste will be segregated according to the examples provided below:

- Hazardous waste to be transported;
 - o Either to the UK; or
 - o An alternate regulatory compliant and NEFL-approved location for disposal.
- Recyclable waste to be transported:

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- o Either to the UK; or
- An alternate regulatory compliant and NEFL-approved location for disposal.
- Non-hazardous waste / general waste / medical waste for incineration.

Additional segregation categories are further defined in Appendix 3, along with the shipping container requirements.

8.1 LABELING OF WASTE CONTAINERS

Waste receptacles shall be clearly marked and distinguished with a sign indicating its proper contents. All waste types shall be labelled as specified in the Waste Register. Containers and packages that contain hazardous wastes shall be clearly marked (see Appendix 4-A for Hazardous Materials Labels) with the following:

- Name of the waste;
- Date:
- Name of the facility from which the waste originated, contact information, destination;
- A Hazardous Materials Label containing the UN# as per the International Maritime Dangerous Goods (IMDG) requirements.

9 WASTE STORAGE

9.1 OFFSHORE STORAGE

All waste skips shall be suitable for offshore use with some form of containment (e.g., lids, nets, etc.) to prevent waste material blowing overboard and subsequent pollution to sea. Laydown areas with suitable storage space will be allocated on the rig and OSVs for waste bins and containers that provide sufficient working space to allow unobstructed movement for personnel and equipment. The following shall also apply to offshore storage:

- Recyclable hazardous wastes will be stored separately from non-recyclable materials and appropriately labelled.
- All hazardous waste materials will be stored in hazardous waste skips and drums or tote tanks, with secondary containment for transport to shore.
- No discharge or decanting of any liquid waste (hazardous or non-hazardous) is allowed unless written authorization is provided by the EHSR Manager.
- Ignitable or reactive wastes shall be stored at a specified distance from heat sources and living quarters with appropriate warning signage.
- All waste streams that are non-compatible will be segregated and stored appropriately in designated locations.
- Waste drums and containers will be regularly checked for leakage or corrosion and shall be of such design that water will not collect on tops and resting surfaces.
- If used, contaminated spill kit materials will be stored in hazardous waste bags or disposed of to the designated hazardous waste skip and transported to shore for disposal.



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9.2 ONSHORE STORAGE

Wastes stored at the supply base will be segregated into designated skips and waste containers in a dedicated waste management area, which is clearly identified and assigned for waste storage. The following shall also apply to storage onshore:

- All waste storage containers (e.g., waste skip or 40-foot container with compactor bags) shall be fit for purpose, with some form of containment, (e.g., lids, nets) to prevent waste material escaping, and labelled with their contents.
- All hazardous waste materials will be stored in hazardous waste skips, drums, intermediate bulk storage (IBC) containers (liquid wastes) and / or tote tanks (for liquid wastes).
- No discharge or decanting of any liquid waste (hazardous or non-hazardous) is allowed unless authorized by the EHSR Manager.
- Spill kits of appropriate size will be provided in areas, such as the waste drum store, where there is a potential risk of a spill.

10 WASTE INSPECTION

The EHS Advisor, or designee, shall visually inspect waste storage areas (at least weekly) on the rig and at the supply base. Additionally, inspections will be conducted each time waste is transferred from the drilling rig and OSVs. Minor non-conformances (such as missing container tops or incorrect label information) are corrected on the spot. Other non-conformances such as bulging or leaking containers are immediately reported to the EHS Advisor (or designee) and the EHSR Coordinator in a timely manner and implement corrective actions as soon as possible. In the event the issue is not resolved or warrants further review or approval, it is added to the NEFL Corrective Action List. The completed waste inspection findings and corrective actions should be reported (at a minimum on a monthly basis) to the EHSR Coordinator. Appendix 4-D and 4-E (Sample Forms / Labels) provides a hazardous waste storage area checklist as well as a hazardous waste tank inspection checklist.

11 WASTE TRACKING

All shipping paperwork must accompany the waste to the waste storage area. The EHS Advisor, or designee, coordinates shipment of the waste from the supply base to the designated licensed disposal facility by water and by land, as applicable, and ensures the proper shipping paperwork and waste codes accompany the waste shipment. The EHS Advisor, or designee, logs the waste shipment on the Waste Disposal Log. An example of the Waste Disposal Log is provided in Appendix 4-C (Sample Forms / Labels) and the Waste Register is shown in Appendix 1.

12 WASTE TRANSPORT AND DISPOSAL

As the waste generator, NEFL is ultimately responsible for the proper disposal of its waste. The drilling rig's responsibility for managing the waste terminates at the time the waste is



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transferred to the OSV. The EHS Advisor (or designee) EHSR Coordinator, and EHSR Manager shall therefore ensure compliance with legal requirements at all times and ensure that:

- All waste must be properly documented when coming onshore and verified by the Onshore Logistics Coordinator before being transported to final disposal facility.
- No un-combusted wastes arising from the drilling program will be landfilled in the Falkland Islands.
- No hazardous waste will be transported to a disposal facility in the Falkland Islands. Waste oil or unused helicopter fuel may be transported to Stanley Growers for re-use.
 - All liquid waste rejected by Stanley Growers will need to be returned to the shore base and documented on a new Waste Manifest Form with comments as to why it was rejected (e.g., too much water, etc.). The newly created Waste Manifest Form should reference the original Waste Manifest Form from when it came ashore.
- Hazardous waste is exported to an approved disposal facility in accordance with the Basel Convention.
- Non-hazardous combustible waste will be segregated and sent to a local incinerator for incineration in the Falkland Islands.
- The waste ash arising from this incineration will be landfilled in the Falkland Islands along with other incinerator waste at an existing landfill facility (Eliza Cove). NEFL will notify the Public Works Department (PWD) prior to any ash being landfilled at Eliza Cove. Additionally, NEFL will ensure all contractors transporting waste ash company with the following requirements:
 - Prior to transportation water will be appropriately applied to all waste ash to reduce the potential for particulate matter / fugitive dust emissions during transport; and
 - o Transportation vehicles will be properly covered to secure the waste ash and eliminate fugitive dust emissions during transport.

12.1 RECEIVING AND HANDLING WASTE AT THE TDF

NEFL will ensure that the EHS Advisor, or designee, at the TDF is appointed to:

- All waste must be properly documented when coming onshore and verified by the Onshore Logistics Coordinator before being transported to final disposal facility;
- Receive and handle waste (including hazardous waste) at the TDF;
- Arrange for local recycling or disposal of non-hazardous waste;
- Arrange for the safe storage any waste (hazardous or non-hazardous) at the supply base;
- Arrange appropriate export of hazardous waste in accordance with the Basel Convention (refer to Section 13); and
- Ensure confirmation from the disposer that the wastes have been disposed of as planned and in an environmentally sound manner in accordance with the Basel Convention.



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12.2 APPROVED TRANSPORTER / DISPOSAL FACILITY LIST

The EHSR Coordinator will ensure that the EHS Advisor, or designee, retains the transporter / disposal facility list and all associated contracts are maintained.

13 HAZARDOUS WASTE TREATMENT AND DISPOSAL

Limited onshore facilities exist in the Falkland Islands for the treatment and disposal of hazardous waste. Hazardous waste will be exported to the UK in accordance with the Basel Convention. However, two hazardous waste streams will be disposed of on the island for local use. Used oil and unused helicopter fuel will be provided to Stanley Growers for use in their oil-burned heaters.

13.1 BASEL CONVENTION

Under the Basel Convention, a trans-boundary movement (TBM) means any movement of hazardous wastes or other wastes:

- From an area under national jurisdiction of one sovereign State; and
- To or through an area under national jurisdiction of another State, or to or through an area not under the national jurisdiction of any State.

The Basel Convention requires that the standard of "environmentally sound management" (ESM) of hazardous wastes or other wastes is met. ESM means taking all practicable steps to ensure hazardous wastes or other wastes are managed in a manner which will protect human health and the environment against the adverse effects which may result from such wastes. The final stage in the TBM procedure is for the generator and country of export to receive confirmation that the wastes moved across borders have been disposed of by the disposer as planned and in an environmentally sound manner. The EHS Advisor, or designee, shall confirm that ESM is adhered to as it relates to TBM.

13.2 WASTE MANIFEST FORMS AND SDSS

The EHS Advisor, or designee, will ensure the waste manifest and SDSs, as appropriate, accompany all shipments of waste and will maintain a copy of these shipping documents at the NEFL Office in the Falkland Islands.

13.3 WASTE SHIPMENT

The EHS Advisor, or designee, is responsible for coordinating the movement of the waste to the waste storage area once it is offloaded at the TDF. The EHS Advisor, or designee, shall be present to accept all waste transfers and shipments. The EHS Advisor, or designee, is responsible for scheduling the transportation for treatment and disposal as listed on the Waste Register. The EHS Advisor, or designee, ensures that waste is safely loaded; waste containers are properly labelled and segregated; and the accompanying shipping documentation (e.g., SDSs) accurately identifies the waste and quantities of the waste to be transported. The EHS Advisor, or designee, will confirm all waste disposal routes as defined by the WMPA are approved by the Falkland Islands Government (FIG).



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The EHS Advisor, or designee, then attaches the appropriate SDS to the shipping paperwork and signs the manifest relinquishing custody to the transporter. The transporter then signs the manifest acknowledging custody of the waste. The EHS Advisor, or designee, then removes their carbon copy of the manifest and turns over the rest of the manifest to the transporter. The transporter then transports the waste to the disposal facility.

The EHS Advisor, or designee, logs the waste shipment on the Waste Disposal Log. When the waste arrives at the disposal facility, the transporter signs the manifest relinquishing custody of the waste to the disposal facility. The disposal facility signs the waste manifest acknowledging custody of the waste. The completed waste manifest is again signed by the disposal facility showing final disposition. The waste manifest is then mailed to the EHS Advisor, or designee, who then attaches the signed paperwork to the original shipping documentation to show the waste reached its final disposal destination. This paperwork will be stored at the NEFL Office in the Falkland Islands.

13.4 TRANSPORTING WASTE TO THE UK

The EHSR Coordinator shall complete the necessary application forms and submit them to the UK Environment Agency at least two months in advance of the planned activity. The EHS Advisor, or designee, shall ensure that:

- A contract is in place with the waste contractor who is sending the waste to be recovered or disposed of;
- NEFL has a Parent Company Guarantee in place to cover the cost of dealing with the
 waste in the event of an accident in the Falkland Islands or while the waste is in
 transport;
- NEFL has insurance to cover any liabilities if the shipment causes harm to third parties;
- The waste is dealt with in an environmentally sound manner at all times, including when it is being recovered or disposed of in the UK; and
- NEFL complies with all other relevant legislation concerning moving, recovering or disposing of waste.

Appendix 3 contains shipping container requirements.

14 WASTE REPORTING AND RECORDKEEPING

14.1 REPORTING REQUIREMENTS

The Waste Disposal Log is used to record waste shipped to the TDF and then from the supply base to its final disposal. The EHS Advisor, or designee, is responsible for ensuring that the Waste Disposal Logs are maintained and for obtaining completed waste manifests and all associated support documentation.

14.1.1 Monthly Waste Reporting

The EHS Advisor, or designee, shall collect the Waste Disposal Log at the beginning of each month for the previous month and email it to the EHSR Coordinator, whose contact details are listed below:



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Email: chris.wright@nblenergy.com

Direct: +1-281-943-1533 Mobile: +1-832-457-0726

Email subject: NEFL - TDF, Month and Year, Waste Disposal Summary

A list of contact information for personnel is provided in Appendix 5 – Personnel Contact Information.

14.1.2 Waste Spills

NEFL personnel and contractors shall report all spills to the Operations Manager and EHS Advisor, or designee. The EHS Advisor, or designee, will coordinate with the EHSR Manager and EHSR Coordinator and will assemble a response team and a local spill response contractor, if necessary.

In the event of a spill, NEI's *Incident Reporting Procedure* shall be implemented and called in to the NEI Global Security Operations Center (GSOC) Hotline as soon as reasonably practicable, but no later than 24 hours after the incident.

In the event of a spill involving clinical waste, the decontamination procedures found in Appendix 6 (Decontamination Procedure for Blood and Other Potentially Infectious Materials Spills) or an alternate comparable procedure shall be followed.

Any noncompliance situation that may endanger health, safety, or the environment shall be reported via the GSOC Hotline as soon as reasonably practicable. The noncompliance issue shall be reported to the Shore Base Operations Manager, EHS Advisor (or designee), EHSR Coordinator, and EHSR Manager.

14.1.3 Non-conformances

All non-conformance and corrective action(s) noted by contractors or personnel should be reported to the EHS Advisor, or designee, and the EHSR Coordinator in a timely manner. Nonconformities not immediately resolved should be noted, investigated, and brought to resolution. The Corrective Action List is used in the event the nonconformity requires time and potential approvals to be resolved. The EHS Advisor, or designee, and EHSR Coordinator shall routinely review reported non-conformance reports to ensure appropriate corrective actions are being implemented in a timely manner. The EHSR Coordinator shall report nonconformances, regardless of size and scope, to FIG.

14.1.4 Audit / Assessment of Selected Vendors

NEFL will conduct an audit / assessment of selected waste specialist vendors and processing facilities to ensure their compliance with this WMPA and / or local and international best practice.



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14.2 RECORDKEEPING REQUIREMENTS

The WMPA and all relevant documentation (such as SDSs, shipping manifest, sampling reports, etc.) shall be stored in a central location at the NEFL Office in the Falkland Islands. This documentation includes the following:

- Current WMPA including Waste Register, Disposal Log, shipping paperwork, and supporting documentation;
- Monthly waste reports;
- Corrective Actions List;
- Spill reports; and
- Approved transporter and treatment / disposal facility contracts.

These records shall be retained for a period of three (3) years at a minimum. The records shall be retained as specified by the NEI Record Retention Schedule and Records Management Manual.

15 TRAINING

Initial and ongoing training is provided to ensure all environmental policies and procedures can be effectively achieved and managed. Training shall be provided on the WMPA. In addition, employees and contractors handling waste shall obtain waste management training relevant to their job responsibilities and types of waste handled prior to working with the waste. Their training shall include, at a minimum:

- Waste handling procedures;
- Proper use and wearing of appropriate PPE;
- Spill response and spill reporting requirements;
- Hazards associated with waste handling;
- Recordkeeping requirements;
- Orange Book / IMDG Code;
- International Civil Aviation Organization (ICAO) / International Air Transport Association (IATA) requirements, if appropriate; and
- Relevant regulatory requirements.

Personnel designated to handle wastes shall be required to wear appropriate PPE while handling the waste, as specified on the SDS.



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APPENDIX 1: WASTE REGISTER AND FLOW DIAGRAM

Waste Stream	Offshore Storage	Transport from offshore to onshore	Onshore storage	Transport from onshore FI to final disposal	Final Disposal
Absorbents	General waste skip	OSV	Supply base	Coaster (Vessel)	Re-use where possible if un- soiled, otherwise disposal via FI incinerator (Falkland Islands Meat Company [FIMCo])
Absorbents (contaminated)	Ventilated flammables container	OSV	Supply base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
Aerosols	Hazardous waste skip	OSV	Supply base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
Aluminum cans	General waste skip	OSV	Supply base	Coaster (Vessel)	All scrap metal returned to UK or an alternate NEFL- approved facility
Batteries	Battery storage area	OSV	Supply base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
Cables (damaged)	General waste skip	OSV	Supply base	Coaster (Vessel)	All hazardous waste or waste electrical or electronic equipment (WEEE) returned to the UK or an alternate



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					NEFL-approved disposal facility
Casing protectors	Stored separately	OSV	Supply base	Coaster (Vessel)	To be returned to casing company
Chemicals – Unused chemicals (totes)	Retained in chemical company packaging	OSV	Supply base	Coaster (Vessel)	Returned to chemical company
Chemicals - unused chemicals (mud)	Retained on rig for next operation	N/A	N/A	N/A	Downhole / seabed at another location
Chemicals - unused chemicals (mud from previous drilling op)	Use in current drilling op if appropriate	N/A	N/A	N/A	N/A
Chemicals - used WBM	To sea with cuttings/down hole	N/A	N/A	N/A	Seabed / downhole
Chemicals - unused cement slurry (if applicable)	If applicable, discharge to sea	N/A	N/A	N/A	If applicable, discharge to sea
Construction and demolition materials (non-hazardous)	General waste skip	OSV	Supply base	FIMCO responsibility	Re-use where possible, otherwise disposal via FI incinerator (FIMCo)
Containers (empty) – drums/barrels	General waste skip	OSV	Supply base, drum crusher on supply base	Coaster (Vessel)	Returned to UK or alternate NEFL- approved disposal facility
Containers (contaminated)	Hazardous waste skip	OSV	Supply base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
Cooking oil	Sealed containers	OSV	Supply base	Road transport	Transported to Stanley Growers for use in oil-fired heaters



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Cuttings (water- based mud)	To Seabed	N/A	N/A	N/A	Seabed
Domestic wastes	General waste skip	OSV	Supply base	Road transport	FI incinerator (FIMCo)
Drum rinse	Totes	OSV	Supply base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
Electronic waste (WEEE)	Segregated waste skip	OSV	Supply base	Coaster (Vessel)	Returned to UK or alternate NEFL- approved disposal facility
Explosive Products (explosives, slurries, detonators, detonating cord, cases)	Safe storage	OSV	Supply base	Coaster (Vessel)	Returned to UK or alternate NEFL- approved disposal facility
Food waste	To sea via macerator (MARPOL compliant)	N/A	N/A	N/A	Sea
Filters (air/water)	General waste skip	OSV	Supply base	Road transport	FI incinerator (FIMCo)
Filters (oil)	Hazardous waste skip	OSV	Supply base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
Gas cylinders	Re-use if possible, secure in container	OSV	Supply base	Coaster (Vessel)	Re-use where possible by returning to supplier, all hazardous waste returned to UK waste company for disposal or alternate NEFL-approved disposal facility
Glass	General waste skip	OSV	Supply base	Coaster (Vessel)	Returned to UK or alternate NEFL-



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			T	1	approved disposal
					approved disposal facility
Glycol and antifreeze	Chemical containers	OSV	Supply base	Coaster (Vessel)	Returned to UK or alternate NEFL-
					approved disposal facility
Ink cartridges	General waste skip	OSV	Supply base	Coaster (Vessel)	Returned to UK or alternate NEFL- approved disposal facility
Insulating material (non-asbestos, non-hazardous)	General waste skip	OSV	Supply base	Coaster (Vessel)	Returned to UK or alternate NEFL- approved disposal facility
Lubricants and hydraulic fluids	Chemical containers	OSV	Supply base	Coaster (Vessel)	Returned to UK or alternate NEFL- approved disposal facility
Medical waste	Containers for incineration	OSV	Supply base	Road transport	FI incinerator (FIMCo)
Mercury- containing waste (incl. fluorescent tubes)	Hazardous waste skip	OSV	Supply base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
NORM contaminated waste	Secure containers	OSV	Supply base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
Oily sludge / sand / soil	Sealed containers	OSV	Supply base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
Oily rags	Hazardous waste skip	OSV	Supply base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility



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Down to	0	0017		Daniel III	1 14/
Paper and cardboard packaging	General waste skip	OSV	Supply base	Road transport	Waste that can be recycled will be segregated, compacted and returned to the UK or an NEFL-approved recycling facility. All remaining waste will be transported to the FI incinerator
					(FIMCo)
Paint and other	Sealed	OSV	Supply	Coaster (Vessel)	All hazardous
coatings	containers		base		waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
PCBs and PCB-	Chemical	OSV	Supply	Coaster (Vessel)	Returned to UK or
containing waste	containers		base		alternate NEFL- approved disposal facility
Plastic and rubber	General waste skip	OSV	Supply base	Coaster (Vessel)	Returned to UK or alternate NEFL- approved disposal facility or alternate NEFL-approved disposal facility
Radioactive	Secure	OSV	Supply	Coaster (Vessel)	All hazardous
materials (excluding NORM)	containers		base		waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
Refrigerants	Gas containers	OSV	Supply base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
Scrap Metal	Waste skip	OSV	Supply base	Coaster (Vessel)	All scrap metal returned to UK or alternate NEFL- approved disposal facility



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Sludge from domestic sewage treatment	Macerated and discharge to sea (MARPOL compliant)	N/A	N/A	N/A	Sea
Solvents (used)	Sealed containers	OSV	Supply base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEFL- approved disposal facility
Waste oil / Used oil	Sealed containers	OSV	Supply base	Road transport	Transported to Stanley Growers for use in oil-fired heaters
Wastewater (Greywater – kitchens, showers, wash basins)	Discharge to sea (MARPOL compliant)	N/A	N/A	N/A	Sea
Wastewater (Blackwater - toilets)	Macerated and discharge to sea (MARPOL compliant)	N/A	N/A	N/A	Sea
Wood and pallets	Waste skip	OSV	Supply base	Road transport	FI incinerator (FIMCo)
Ash from FI incinerator (FIMCo)	Sealed containers	N/A	Supply base	Road transport	Ash to Eliza Cove
General waste from supply base	Sealed containers	N/A	Supply base	Road transport / Coaster (Vessel)	FI incinerator (FIMCo) (if combustible, return to UK waste company, or alternate NEFL- approved disposal facility)
Helicopter fuel	Sealed Containers	OSV	Supply base	Road Transport	Transported to Stanley Growers for use in oil-fired heaters
Plastic Bags**	Waste Skips	OSV	Supply Base	Road Transport	FI Incinerator (FIMCo)



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Aqueous Film- Forming Foam (AFFF)	Original Sealed Containers	OSV	Supply Base	Coaster (Vessel)	All hazardous waste returned to UK waste company for disposal or alternate NEEL-
					alternate NEFL-
					approved disposal facility

^{*}NOTE: This waste register is subject to change depending on actual waste generated during operations (e.g., drilling rig or TDF or supply base or laydown yard).

- PP: Incineration is comparable to oil and only consists of hydrogen and carbon atoms. In an incineration plant only water and carbon are produced. Heating value is equivalent to 3/4 kg of oil.
- LDPE: Incineration is comparable to oil and only consists of hydrogen and carbon atoms. In an incineration plant only water and carbon are produced. However, common additives like UVstabilizers (e.g. carbon black), dyeing agents and fire protectors can produce other waste products. Heating value is equivalent to 3/4 of oil.

FI = Falkland Islands TBD = To Be Determined N/A = Not Applicable



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^{**} NOTE: The plastic bags, as per label, are a mix of polypropylene (PP) and low density poly ethylene (LDPE).

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Non-Hazardous Waste							
Waste Stream	Offshore Storage	Transport Method	Onshore Storage	Transport Method	Final Disposal		
Domestic Waste	General Waste Skip	osv	Supply base	Road	FI Incinerator		
Food Waste	>	To sea via macerator	(MARPOL compliant)		Sea		
Scrap Metal and Wood	Waste Skip	osv	Supply base	Coaster	Returned to UK or alternate NEFL- approved disposal facility		
Empty Containers	General Waste Skip	osv	Supply base, drum crusher	Coaster	Returned to UK or alternate NEFL- approved disposal facility		
Water-based Mud (WBM)	>	To sea with cut	tings / downhole		Seabed / downhole		
Wastewater (Greywater)	>	Discharge to sea (N	MARPOL compliant)		Sea		
Wastewater (Blackwater)		Discharge to sea (N	MARPOL compliant)		Sea		



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Hazardous Waste							
Waste Stream	Offshore Storage	Transport Method	Onshore Storage	Transport Method	Final Disposal		
Aerosols, Contaminated oily containers material / absorbents / filters, etc.	/ / app	azardous ste skip / propriate sealed ontainer	OSV Supp base		waste for sposal facility.		
Batteries	app	az waste skip/ propriate (sealed ontainer	OSV Supply base	Coaster	All hazardous waste will be returned to UK waste for disposal or to an alternate NEFL-approved disposal facility		
NORM- contaiminated / other radioactive materials	app	z waste skip/ propriate (sealed entainer	Supply base	Coaster	ste will be re		
Oily sludge / sand soil	app	z waste skip/ ropriate C ealed ntainer	Supply base	Coaster	azardous wa		
Paint and other coatings	app	z waste skip/ propriate (jealed intainer	Supply base	Coaster	All ha		
Cooking Oil / Used Oil / Unused Helicopter Fuel	Seale contain	OSV	Supply b	ase Road Transpor	Stanley Growers		
General Waste / Medical Waste / Plastic Bags	Approp seale contain	ed OSV	Supply ba	se Road Transport	FI Incinerator / Landfill		



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APPENDIX 2: WASTE MANAGEMENT PLAN REVISION REQUEST FORM

Waste Management Program Revision Request Form	
(Must Use One Form Per Revision)	
Part 1	
Document Title:	
Document Number:	
Revision Number:	
Location: Page # Section #	
Description of Revision	
Part 2	
Submitted to the Corporate EHS International Coordinator:	
Name Signature Date	-
Part 3	
On Page 2, list of affected documents, training, etc. and actions to be taken if implemented including responsible individual(s).	
Part 4	
Revision Approved by Corporate EHS International Manager:	
Name Signature Date	-



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Implementation								
Affected document, training, etc.	Action To Be Taken	Responsible Individual	Completion Date					



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APPENDIX 3: WASTE SHIPPING REQUIREMENTS

Waste Streams for EXPORT:

Each of the export categories will need an appropriately designated waste code for shipment. Below are several examples of these codes that may be appropriate for waste streams from the Falklands campaign (this is not exhaustive as yet but covers the main categories).

WASTE STREAM	WASTE CODE
Aerosols	16-05-04
Aluminum cans	15-01-04
Batteries	16-06**(H)
Cables (damaged)	17-04-10 Only use the 10 code if they are contaminated with a hazardous substance
Chemicals – unused chemicals (totes)	If vendor can accept back unused back, then will return. If it is a waste (i.e., unusable and can't return), then disposal will be determined by the SDS.
Chemicals – unused chemicals (mud)	01-05-04 This code is only applicable if it is mud. If it is a chemical, it will be determined by the SDS.
Chemicals – used WBM	01-05-04 This code is only applicable if it is mud. If it is a chemical, it will be determined by the SDS.
Chemicals - unused cement slurry (if applicable)	10-13-14
Containers (empty) – drums/sacks	Sacks: 15-01-06 Plastic drums: 15-01-02, Metal drums: 15-01-04
Containers (contaminated)	13-01-10



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Cooking oil	20-01-25
Cuttings (WBM)	01-05-06
Drainage washings contaminated	
with oily residue	13-05-06
Electronic waste (WEEE)	20-01-35 / 20-01-06
Empty Non-Hazardous IBCs or	IBCs and plastic drums:
Drums	15-01-02
Explosive products (explosives,	Metal drums: 15-01-04
slurries, detonators, detonating	16-04-03
cord, cases, etc.)	10-04-03
Food waste	20-01-08
Filters (air / water)	15-02-03
Filters (oil)	15-02-02
Gas cylinders	16-05-04
General waste	20-03-01
Glass	15-01-07
Glycol and antifreeze	16-01-04
Ink cartridges	08-03-17 / 08-03-18
Lubricants and hydraulic fluids	13-02-05
Medical waste	18-01-03
Mercury-containing waste (incl. fluorescent tubes)	20-01-21
NORM-contaminated waste	Needs to be assessed on
Oily aludra / sand / sail	a case by case basis.
Oily sludge / sand / soil	01-05-05(H)
Oily rags	15-02-02(H)
Packaging containing dangerous residues	15-01-10(H)
Paint and other coatings	08-01-11
Paper and cardboard packaging	15-01-01
PCBs and PCB-containing waste	13-01-01
Plastic packaging (empty chemical sacks, etc.)	15-01-02
Plastic (i.e., for recycling)	20-01-39



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Radioactive materials (excluding NORM)	Needs to be assessed on a case by case basis.		
Refrigerants	14-06-01		
Scrap Metal	17-04-07		
Sludge from domestic sewage treatment	20-03-06		
Solvents (used)	14-06-03(H)		
Transit Slings	17-04-05		
Wood and pallets	15-01-03		
Oily Water	13-05-06		
Paint Containers Empty	15-01-10		
Kerosene/Avtur/Jet A1 Fuel	13-07-03		
Plastic Bags	15-01-06		
Aqueous Film Forming Form (AFFF)	16-03-05		

The table below details the storage container requirements for shipping.

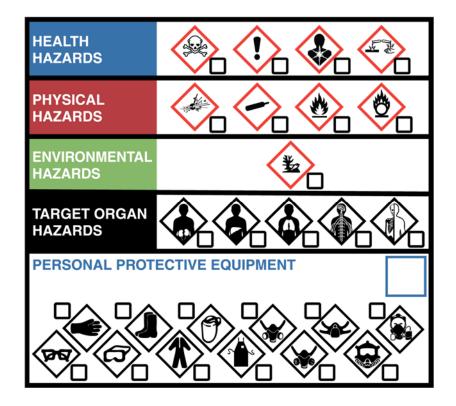
Waste Type	Container
Scrap Metal	Open top 40-foot container
Mud / cuttings / oily waste	Cuttings skip (closed)
Liquid wastes	Drums / IBCs in 40-foot container (on bunded pallets or
	container bunding)
Slops (mud, etc.)	Transported in vessel tanks (e.g., PSV). Upon arrival, ensure
	tankers are in place to receive the waste stream (Aberdeen).
All other (non-hazardous)	40-foot containers are suitable as long as they are properly
waste	labelled for the contents.
Helicopter Fuel	Sealed 55 gallon containers
Volatile / hazardous waste	40-foot closed containers (for any dangerous goods)



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APPENDIX 4: SAMPLE FORMS / LABELS

4-A: Hazardous Material Labels





Noble Energy Falklands Limited

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4-B: Waste Manifest

		HODIC L	licigy rain	·	5 Elliliteu						
†	HAZARDOUS WASTE MANIFEST 1. Generator ID Number 2. Page 1 of 3. Emergency Response Phone 1. Duran Childre (+500) 52511 2. Sam Cockwell (+500) 53431							4. Waste Tracking Number 150-00000			
	S. Generator's Name; Noble Energy Falklands Ltd Agos Building H. Jones Rd Stanley Falkand Islands F1QQ1ZZ										
	Generator's Phone: (+500) 22988 6. Transporter 1: Vessel / Vehicle Registry Number										
	7. Transporter 2:						Vessel / Ve	hide Registry Nu	mber		
	8. Transporter 3:						Vessel / Ve	hide Registry Nu	mber		
	9 Falklands Designated Facilit Stanley Growers Uk - TWWA Facility's Phone:	ly Neme					License / R	egistry Number			
	40-	Description (inducing Proper Meterial Name, Hezerdous C	Classification, ID Nu	mber)	11. Contain No.	ers Type	12. Total Quantity	13. Unit Wt/Vol.	Comments		
GENERATOR	1.							63			
9	2					1	3	кв			
	3.					1/1		кв			
	4))	$\overline{}$			KB			
	14. Special Hending Instructor	ns and Additional Information	2								
	15 GENERATOR'S CERTICA	ICATION: I certify the materials described above on this m	and an art sub	ant to fee	land monitolisms for	r monding per	nor disposal i	of Liberardous Wita	rlo		
ļ	Generator's/Offeror's Printed/Ty			prature	acide regularios so	Topolog pro	per emposes	TIME GOOD THE	Month Day	Year	
SHB	16 Shorebase Received		Sig	nature					Month Day	Year	
TER	17. Transporter Acknowledgmen Transporter 1	nt of Receipt of Materials	Sig	nature					Month Day	Year	
TRAMSPORTER	Trensporter 2		Sig	nature					Month Day	Year	
TRA	Transporter 3		Sig	nature					Month Day	Year	
4	18. Discrepancy										
Ī	18a, Discrepency Indication Spi	ace Quantity Type	1	[Residue		Partial F	tejection	Full Reje	ction	
FACILITY -	1Sb Alternate Facility (or Gener	relor)		M	lanifest Reference	Number:	License / R	egistry Number			
DF	Facility's Phone: 18c, Signature of Alternate Faci	ility (or Generator)							Month Day	Year	
GNATED		, , , , , , , , , , , , , , , , , , , ,									
- DESI											
		or Operator: Certification of receipt of hezerdous weste mate			st except as noted	in Item 18e					
1	Printed/Typed Name		Sig	phalure					Month Day	Year	
•	I								1 1	1 1	



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			Noble Ener	rgy Falkla	ands	Limited					
†	NON-HAZARDOUS WASTE MANIFEST	Generator ID Number			1 Dem	gency Response on Christia (+500 Cockwell (+500	3) 52811		4. Waste Trac	king Number 0-000	00
	5. Generator's Name; Noble Energy Falklands Ltd Generator's Site Address (if different than mailing address) From Rig(Enik Raude) Agos Building H Jones RG Stanley Falkland Islands F1QQ1ZZ Generator's Plane: (+500) 2285										
	6. Transporter 2 Vessel / Vehicle Regiony Number Vessel / Vehicle Regiony Number										
	8. Transporter 3							Vessel / Ve	hide Registry N	lumber	
	9e Felklends Designeted ☐ Noble Energy Shoreb ☐ Stenley Growers Facility's Phone:	Fedily Name sse	Eliza Cove	Uk				License / R	agizny Number	r	
8	10s. Weste Description	/ Non-Hazardous				11. Contain No.	ers Type	12. Total Quantity	13, Unit Wt/Vol.	Comme	ASS.
GENERATOR	1.								кв		
9	2.						10	3	ка		
	3.)/		ка		
	4.		(0)	(O))				ка		
	14. Special Handling Instru	ctions and Additional Information	N/6								
	 GENERATOR'S CER Generalor's/Offeror's Print 		tals described above on this manife	st are not subjec Signa		nal regulations fo	r reporting pr	oper disposal o	f Hazardous W		Day Year
* SHB	16, Shorebase Received			Signe	lure					Month C	Day Year
2		gment of Receipt of Materials		Signa	lture					Month D	Day Year
RAMS PORTER	Transporter 2			Signa	ture					Month D	Day Year
TRAMS	Transporter 3			Signa	lture					Month D	Day Year
1	18. Discrepancy							_			
	18a, Discrepancy Indicatio	Ouanity Quantity	Туре			Residue		Partial R	ejection	Full	Rejection
- ALI	16b. Alternate Facility (or G	ionerator)			Ma	rifest Reference	Number:	License / Ro	egistry Number		
TED FACI	Facility's Phone: 18c. Signature of Alternate	Facility (or Generator)								Month	Day Year
DESIGNATED FAC											
Ī		was as Canadana Candidania - et -	national and harmonic a commencer	Kala asymmetr	the sec	State aware as a	and is here	***			
	Printed/Typed Name	ine or operator, centrostor or r	eceipt of non-hezerdous weste mete	Signa		ment except as fi	ored in IteM			Month I	Day Year

NEFL Waste Manifests will be provided in carbon copy form for use and will be available at the NEFL Office in Stanley when required.



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Noble Energy Falklands Limited – Exploratory Drilling - Waste Management Plan – Tier 4

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4-C: Waste Disposal Log

						V	VASTE	: DISP	OSAL I	LOG				
Operator:												Facility:		
Date:												Reported By:		
Shipment Date From Offshore Facility		anifest NO.	Waste Type (Note 1)	Waste Stream (Note 1)	Waste Code (Note 2)	(No	ontainer te 3)	Support Vessel Company Name	Volume Include Unit of Measure	Weight (kg)	Shipment Date From Shore Base	Licensed Transporter Company Name	Licensed Waste Disposal Facility Company Name	Waste Manifest Date Received From Waste Disposal Facility
	NO.	Signed By				Туре	NO.							
									Total Weight					
									. reight					
Note 1: Wast	e type is ei	ther hazardo	us or non-	hazardous	. Waste Str	eam is the	waste sub	type. Refer	to the faci	lity's Waste	Register.			1
		lity's Waste F												



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Noble Energy Falklands Limited – Exploratory Drilling - Waste Management Plan – Tier 4

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4-D: Hazardous Waste Storage Area Weekly Inspection Checklist

HAZARDOUS WASTE STORAGE AREA WE	LIKET IIIOI E	OTION OTILOTEIOT
	Date:	
Location of		
Inspection:	Time:	
 Are all of the containers in good condition? (free of dents and corrosion, not bulging, or otherwise deteriorating) Is the storage area free of debris and other materials? 	Yes No	Comments
Are container tops free of spillage?	<u> </u>	
4 Is the area free of spills or leaks?	<u> </u>	
5 Are all containers properly closed?	$\sqcup \sqcup \sqcup$	
6 Are containers labeled correctly?	<u> </u>	
7 Is the information on the labels legible?	닏닏—	
8 Are the containers compatible with their contents?		
9 Is aisle space sufficient to inspect all containers?	\square \square	
orrective Actions Required:		
Signed:	Date:	
Print Name:		
	_	



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4-E: Hazardous Waste Tank Inspection Checklist

HAZARDOUS WASTE TANK INSPECTION CHECKLIST							
Location of Inspection:							
1 Is the tank in good condition? (free of dents and corrosion, not bulging, or otherwise deteriorating) Is the storage area around the tank free of debris and other materials? 3 Is tank leaking? 4 Is the area free of spills or leaks? 5 Is tank properly closed? 6 Is the tank labeled correctly? 7 Is the information on the labels legible? Describe any observations for items checked "No":	Yes No	Comments					
Corrective Actions Required:							
Signed:Print Name:	Date:						



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APPENDIX 5: PERSONNEL CONTACT INFORMATION

Position	Name	Phone number	Email
Supply base EHS Advisor, or designee, #1 (rotational position, Shift #1)	Madham Singh	+500 22992	fihse@bedrockdrilling.co.uk
Supply base EHS Advisor, or designee, #1 (rotational position, Shift #2)	Steve Harris	+500 22992	fihse@bedrockdrilling.co.uk
Noble EHSR Coordinator	Chris Wright	+1-281-943-1533	<u>chris.wright@nblenergy.com</u>
Noble EHSR Manager	Christa Henager	+1-281-943-1730	<u>christa.henager@nblenergy.com</u>
Base Manager	Dennis Thomson	+500 28519	fibasemanager@bedrockdrilling.co.uk
Base Manager	Brian Milnes	+500 28519	fibasemanager@bedrockdrilling.co.uk
Noble Logistics Coordinator	Edward Flax	+500 28526	edward.flax@nblenergy.com
Noble Logistics Coordinator	Ralph Calve	+500 28526	ralph.calve@nblenergy.com



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APPENDIX 6: DECONTAMINATION PROCEDURE FOR BLOOD AND OTHER POTENTIALLY INFECTIOUS MATERIALS SPILLS

Blood or other potentially infectious materials (OPIM) spills that occur inside or outside need to be effectively decontaminated to prevent potential exposure to blood and OPIM pathogens.

Personnel in Charge of Procedure:

The EHS Advisor, or designee, or designated representative shall personally supervise the procedure. That individual and / or the designated person cleaning the spill shall be properly trained and wear the proper personal protective equipment (PPE), which includes water impervious gloves, outerwear, goggles, etc.

Decontamination Procedure:

The EHS Advisor, or designee, or designated representative is responsible for evaluating of the incident and, if necessary (outdoor incident), set and mark a safe perimeter to secure the affected area until rendered safe to prevent any exposure to released pathogens.

- The blood or OPIM contaminated surfaces shall be sprayed with a 1:10 fresh solution of household bleach (1 ounce house bleach to 10 ounces of water). Contact time shall be at least 15 minutes.
- All traces of the spill shall be removed and absorbed with paper towels or other acceptable materials.
- Once cleaned, the area shall be sprayed again with the 1:10 bleach solution and allowed to air dry.

All waste materials, including disposable PPE, shall be placed in placed in double-layered purpose-made plastic red biohazard bags and clearly marked "BIOHAZARD". Mattresses, rugs, and other large items that cannot fit in a biohazard bag shall be wrapped in plastic wrap after being decontaminated for final disposal. All medical waste shall be properly bagged, labelled, and disposed of appropriately. Please refer to Medical Waste information found in the Waste Register.

The EHS Advisor, or designee, or designated representative is responsible for confirming that this Procedure has been safely and effectively completed as per the prescribed procedure.



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