Local Disconnect OK

ENV: 0836

EQUIP NO/DESC: HEAD-GP01 Multi-energy

*********ENERGY IDENTIFICATION AND ISOLATION ALERT**********
NOTE: This equipment MAY need to be locked and tagged out.
As a precaution, verify all energy sources prior to
beginning work. The procedure listed below may not
have identified all energy sources!

CONTACT Process Area Operator PRIOR TO SHUTDOWN of equipment

Operator was contacted at __:__ am/pm on ___/___/___

PROCEDURE & SEQUENCE TO SHUTDOWN/SECURE THIS EQUIPMENT IS:
1. Source: Electrical
Location: HEAD-MCCD-6D
Securing Means: Tag,lock

2. Source: Electrical
Location: Local disconnect (Cord Lock)
Securing Means: cover plug and lockout

3. Source: Hydrualic
Location: Sludge Suction Valve
Securing Means: Close valve and lockout

4. Source: Hydrualic
Location: Sludge Discharge Valve
Securing Means: Close Discharge Valve and lockout

If MORE SOURCES are discovered please document the energy
sources in the spaces above or the back side of work order.
Include the location and securing means. If you find an
INACCURACY in the documentation above, please EDIT accord-
ingly. LOTOP entered GLTaylor 5-16-03

SOURCE : HYDRAULIC FLUSHING VALVES
LOCATION INPUT & DISCHARGE OF PUMP
SECURE : LOCK & TAG

OK

ENV: 0883

EQUIP NO/DESC: HEAD-GP02 Multi-energy

NOTE: This equipment MAY need to be locked and tagged out. As a precaution, verify all energy sources prior to beginning work. The procedure listed below may not have identified all energy sources!

CONTACT Process Area Operator PRIOR TO SHUTDOWN of equipment

Operator was contacted at __:__ am/pm on ___/___/___

PROCEDURE & SEQUENCE TO SHUTDOWN/SECURE THIS EQUIPMENT IS:

1. Source: Electrical
Location: Local Disconnect (Cord Lock)
Securing Means: cover plug and lockout/tagout

Local Disc.

2. Source: Electrical
Location: Turn off breaker at HEAD-MCCD3A
Securing Means: Lockout/Tagout breaker

3. Source: Hydraulic
Location: Sludge Discharge Valve
Securing Means: Close valve, lockout/tagout

4. Source: Hydraulic
Location: Sludge Suction Valve
Securing Means: Close Suction valve, lockout/tagout

If MORE SOURCES are discovered please document the energy sources in the spaces above or the back side of work order. Include the location and securing means. If you find an INACCURACY in the documentation above, please EDIT accordingly. LOTOP entered 03/01/04 T.Meyer/AVC

5) SOURCE: HYDRAULIC

FLUSHING VALVES ON INLET & DISCHARGE OF PUMP

LOCK & TAG

OK

ENV: 0874 LOCAL DISCONNECT

EQUIP NO/DESC: HEAD-GP03 Multi-energy

*********ENERGY IDENTIFICATION AND ISOLATION ALERT*********
NOTE: This equipment MAY need to be locked and tagged out.
As a precaution, verify all energy sources prior to
beginning work. The procedure listed below may not
have identified all energy sources!

CONTACT Process Area Operator PRIOR TO SHUTDOWN of equipment

Operator was contacted at __:__ am/pm on ___/___/___

PROCEDURE & SEQUENCE TO SHUTDOWN/SECURE THIS EQUIPMENT IS:
1. Source: Electrical
Location: HEAD-MCCE-2A ?
Securing Means: Tag,lock

2. Source: Electrical
Location: Local disconnect (Cord lock) CONNECT
Securing Means: Place lock on plug and Tag

3. Source: Hydraulic
Location: Sludge Suction Valve
Securing Means: Close and Lock out valve

4. Source: Hydrualic
Location: Discharge Valve
Securing Means: Close dischard Valve and Lock out

If MORE SOURCES are discovered please document the energy
sources in the spaces above or the back side of work order.
Include the location and securing means. If you find an
INACCURACY in the documentation above, please EDIT accord-
ingly. LOTOP entered 10/15/03 GLTaylor

5 FLUSHING VALVES

ENV: 0431 Local Disconnect OK

EQUIP NO/DESC: HEAD-GP05 Multi-energy

**********ENERGY IDENTIFICATION AND ISOLATION ALERT*********
NOTE: This equipment MAY need to be locked and tagged out.
As a precaution, verify all energy sources prior to
beginning work. The procedure listed below may not
have identified all energy sources!

CONTACT Process Area Operator PRIOR TO SHUTDOWN of equipment

Operator was contacted at ___:___ am/pm on ___/___/___

PROCEDURE & SEQUENCE TO SHUTDOWN/SECURE THIS EQUIPMENT IS:
1. Source:electrical
Location:HEAD-MCCE 3A
Securing Means:tag & lock

2. Source: Electrical
Location: Local disconnect (Cord Lock) Correct
Securing Means: Plug cover and Lock with Tag

If MORE SOURCES are discovered use the BACK SIDE of work
order to document the energy source(s). Include the
location and securing means. If you find an INACCURACY
in the documentation above, please EDIT accordingly.
(LOTOP entered 1-27-03,J. Stacy

FLUSHING VALVES

ENV: 0885 LOCAL DISCONNECT OK

EQUIP NO/DESC: HEAD-GP06 Multi-energy

*********ENERGY IDENTIFICATION AND ISOLATION ALERT**********
NOTE: This equipment MAY need to be locked and tagged out.
As a precaution, verify all energy sources prior to
beginning work. The procedure listed below may not
have identified all energy sources!

CONTACT Process Area Operator PRIOR TO SHUTDOWN of equipment

Operator was contacted at __:__ am/pm on ___/___/___

PROCEDURE & SEQUENCE TO SHUTDOWN/SECURE THIS EQUIPMENT IS:
1. Source: Electrical
Location: Local disconnect (Cord Lock) CORRECT
Securing Means: cover plug and Lockout

2. Source: Electrical
Location: HEAD-MCCE5B
Securing Means: Turn breaker off, Lockout and Tag

3. Source: Hydraulic
Location: Sludge Discharge Valve
Securing Means: Close Discharge Valve, Lockout/Tagout

4. Source: Hydrualic
Location: Sludge Suction Valve
Securing Means: Close Suction valve, Lockout/Tagout

If MORE SOURCES are discovered please document the energy
sources in the spaces above or the back side of work order.
Include the location and securing means. If you find an
INACCURACY in the documentation above, please EDIT accord-
ingly. LOTOP entered 03/01/04 T.Meyer/AVC

FLUSHING VALVES

ENV # 0836 / 0843 / 0431 | 0885 / 0874 Name _____ (print)

Equipment HEAD - GP01 THRU 06 Date _____

Building GRIT PUMPS

Is there a Local Disconnect?

☑Yes ☐No

Identify ALL potential hazardous energy sources

☐Chemical ☑Electrical ☐Hydraulic ☐Mechanical ☐Pneumatic ☐Thermal ☐Other

EQUIPMENT DESCRIPTION & LOCATION SEE ~~HILITES~~ CORRECTED ~~MCC~~ LOCATIONS

ISOLATION MEANS _____

☐Chemical ☐Electrical ☑Hydraulic ☐Mechanical ☐Pneumatic ☐Thermal ☐Other

EQUIPMENT DESCRIPTION & LOCATION GRIT PIPE VALVES IN/OUT OF PUMP

ISOLATION MEANS CLOSE, ~~LOCK, TAG~~ VALVE

☐Chemical ☐Electrical ☑Hydraulic ☐Mechanical ☐Pneumatic ☐Thermal ☐Other

EQUIPMENT DESCRIPTION & LOCATION FLUSHING WATER VALVES

ISOLATION MEANS CLOSE, ~~LOCK, TAG~~ VALVE

☐Chemical ☐Electrical ☐Hydraulic ☐Mechanical ☐Pneumatic ☐Thermal ☐Other

EQUIPMENT DESCRIPTION & LOCATION _____

ISOLATION MEANS _____

☐Chemical ☐Electrical ☐Hydraulic ☐Mechanical ☐Pneumatic ☐Thermal ☐Other

EQUIPMENT DESCRIPTION & LOCATION _____

ISOLATION MEANS _____

Are other "non-energy" hazards present? If so, check all that apply:

☐Fall/Slip Protection ☐Confined Space ☐Gaseous ☐Chemical ☐Other_____

*RETURN THIS FORM with **ENV Message Master** to Duane Sanger*