

	FLOWBACK PRE-STARTUP SAFETY REVIEW CHECKLIST	Owner: USA Division P3 Project
		Revision Date: 08/15/2013
		Revision No. 00

Unit No.:	Date:
Supervisors:	Company/Location:

Crew:

Complete inspection before start-up. Use a separate inspection form for secondary equipment (low stage, etc.)

General Safety		OK	Deficient	N/A	Comments
1	Emergency action plan. Axiom number on board. Location description or GPS coordinates for each well, phone numbers for County Sheriff's office, Lifelight, spill reporting, poison control, etc.				
2	Fire Retardant Clothing/Coveralls worn by all				
3	Hard Hats				
4	Safety Boots				
5	Hearing protection available (Note location of ear plugs/muffs)				
6	Safety glasses worn by all				
7	Gloves - "High-Visibility"				
8	Facial hair (clean shaven on our sites). No more than 48-hours growth				
9	Wind direction indicators (At least one wind sock visible from all areas of location)				
10	Fire Extinguishers (four -20lb units) Place one outside office door and remaining F.E.s placed strategically - not too close to flammable materials. Inspection tags and seals in good condition.				
11	Visitor orientation offered/on file				
12	Lighting is appropriate for night shift				
13	SCBA's on location (if required)				
Safety Documentation		Ok	Deficient	N/A	Comments
14	JSAs for every job that can have an adverse effect on safety, health, environment. Revise the JSA if work or site conditions change.				
15	Pre-job safety meeting completed				
16	Daily safety meeting completed				

17	Hazard IDs - Identify hazards and explain how they were controlled.				
18	Incident/Near Hit				
19	SafeStart Cards - One per day for all, and as opportunities arise.				
20	Near Hit Cards -as needed				
21	Safety training certifications readily available, Safety Passport. Employee is responsible for keeping current				
22	Emergency equipment inspection (complete inspection form before start-up and at the end of the month)				
23	LEL Calibration Log - Daily				
Safety Signs		Ok	Deficient	N/A	Comments
24	Sign-In				
25	First- aid sign on outside of office				
26	No Smoking - Propane compartment in office				
27	Confined-space placed on or near vessel man-way cover				
28	Eye protection @ separator entrance				
29	Hearing protection @ generator door				
30	Eye wash station				
31	High-pressure lines placed near flowlines, etc.				
32	Signs clear and legible				
Performance		Ok	Deficient	N/A	Comments
33	Equipment clean and in good condition				
34	Regular checks performed on equipment				
35	Tripping hazard at minimum (Cords, pipe, barricades stored properly, no pallets located at entrances)				
36	All damaged tools/equipment tagged-out (hammers, wrenches, valves or parts, etc.)				
37	Hearing protection used (generator room, etc.)				
38	LO/TO utilized				
39	Fall protection utilized				
40	CAT safety alerts communicated to crew				
41	Flashlights are MSHA approved				
Equipment		Ok	Deficient	N/A	Comments
42	W.H. to Flarestack - 150' (distance variations on whose authority and Note in comments)				
43	W.H. to atmospheric tanks - 150'				
44	Tanks to flare - 150'				
45	Separator to stack - 150'				

46	Line heater to W.H. - 150'				
47	Rig-up complete - unions double checked, system purged (explain), zero choke indicator, notify nearby operations or residents, opening gauge on tanks.....				
48	All lines secured/supported by bocks, (adjust as needed for snow melt), no weight hanging from X-overs etc., cement weights placed every 40ft and at each change in direction, secure all open-ended lines with chain to weight.				
49	All lines, connections, unions, nipples, eels, swedges, valves, and gauges all have matching threads and like pressure ratings as required.				
50	Whip-checks installed on every union and at the ends, to wellhead/tank, etc., Whipchecks on synflex hose, airlines, fuel gas lines, etc...				
51	All units grounded - cables run to W.H., unit, tool house				
51	Flare - pilot and igniter checked, fire hazards checked, stack straight, guy wires tight, 3 clamps per wire.				
52	Production tanks - ventilate all tanks, valves set for dumping, ammonia scrubber ready, check valve installed, tanks purged.				
53	Line heater - bath full, stack gasket checked, pilot and main burner checked, flame arrestor checked, preheated.				
54	Choke - check seat and stem, bean size correct				
55	Relief valve checked - Cap is removed from outlet on roof, Line is clear, secured, certification tag in place.				
56	Pressure tested - explain method and pressure - hydro, well, etc.				
57	Valves and dumps checked - actuate valves, check seats and plugs				
58	Sight glasses cleaned				
59	Dump controllers and actuators operating				
60	Valve alignment correct for start-up				
61	Supply gas scrubber blown down regularly				
62	Injection pump operating properly				
Office		Ok	Deficient	N/A	Comments
63	Safety policy posted				
64	Adequate office supplies available				
65	Safety meeting posted				
66	HSE manual available to all personnel				
67	OSHA/API regulations available				
68	Eye-wash station bottles full, not expired				
69	First-aid supplies replaced as needed				

70	Gas detector calibrated as per manufacturer				
71	Power cord protected against damage - route so lease traffic is not traveling over cord or place in conduit, bury, etc.				
Hazardous Materials		Ok	Deficient	N/A	Comments
72	Containers properly labeled (i.e., portable containers, baker pump, methanol tank, etc.)				
73	Stored in accordance with manufacturer				
74	Containers closed when not in use				
75	Absorbent pads available (i.e., spill kit)				
76	Flammable liquids stored away from exits				
77	Chemical PPE available (i.e., rubber gloves, respirator.....check MSDS)				
78	MSDS Available for all chemicals				
79	Methanol/chemical barrel safe (e.g., bungholes plugged when not in use, safe distance away from entrance and exit or flammable materials.)				
Vehicles		Ok	Deficient	N/A	Comments
80	Unit Number : _____				
81	Company Logo				
82	General condition clean, no major dents, trash in bed				
83	Documentation (i.e., registration, proof of insurance, maintenance records, log book, fuel envelope, Emergency Response Guidelines)				
84	All safety equipment on board (i.e., fire ext., first aid kit, flashlight, camera, shovel, tow rope, booster cables, hand tools, candle, space blanket.)				
85	Condition of vehicle: Wipers				
86	Mirrors				
87	Lights and Reflectors				
88	Tires				
89	Spare Tire				
90	Windscreen - No cracks or chips,				
91	Vehicle backed-in				
92	Clean				

OVERALL INSPECTION RATING (Circle One)

1. Poor

2. Below Average

3. Average

4. Above Average

5. Excellent

**All items marked deficient are to be transferred to the Corrective Action Plan
Supervisor Sign off when Items Are Completed**

Supervisor Sign: _____ Date: _____

Comments: _____

HSE Manager Sign: _____ Date: _____

Operations Manager: _____ Date: _____