

## **BBC GENERAL PRACTICES**

### **NOTIFICATIONS**

- Proper notifications required by COGCC regulations or policy memos will be adhered to

### **TRENCHES/PITS/TEMPORARY FRAC TANKS**

- Unlined pits will not be constructed on fill material.
- Drill cuttings from the wellbore will be directed into a lined and bermed surface containment. Any free liquids accumulated in the containment would be removed as soon as practicable.
- Flowback and stimulation fluids from the wells being completed will be sent to tanks and/or filters to allow the sand to settle out before the fluids are hauled to a state approved disposal facility.
- Temporary frac tanks installed on location will have proper secondary containment according to SPCC regulations such as either putting a perimeter berm around location or around the frac tanks.

## **STORM WATER AND SPILL CONTROL PRACTICES**

### **GENERAL**

- Utilize diking and other forms of containment and diversions around tanks, drums, chemicals, liquids, pits, impoundments, or well pads
- Use drip pans, sumps, or liners where appropriate
- Limit the amount of land disturbed during construction of pad, access road, and facilities
- Employ spill response plan (SPCC) for all facilities
- Dispose properly offsite any wastes fluids and other materials

### **MATERIAL HANDLING, ACTIVITIES, PRACTICES AND STORM WATER DIVERSION**

- Secondary containment of tanks, drums, and storage areas is mandatory to prohibit discharges to surface waters. A minimum of 110% capacity required of largest storage tank within a containment area
- Material handling and spill prevention procedures and practices will be followed to help prohibit discharges to surface waters
- Proper loading, and transportation procedures to be followed for all materials to and from locations

### **EROSION CONTROL**

- Pad and access road to be designed to minimize erosion
- Pad and access road to implement appropriate erosion control devices where necessary to minimize erosion
- Routine inspections of sites and controls to be implemented with additions, repairs, and optimization to occur as necessary to minimize erosion

### **SELF INSPECTION, MAINTENANCE, AND HOUSEKEEPING**

- All employees are trained in spill response, good housekeeping, material management practices, and procedures for equipment and container washing annually
- Conduct internal storm water inspections per applicable stormwater regulations
- Conduct routine informal inspections of all tanks and storage facilities at least weekly
- All containment areas are to be inspected weekly or following a heavy rain event.
- Any excessive precipitation accumulation within containment should be removed as appropriate and disposed of properly
- All structural berms, dikes, and containment will be inspected periodically to ensure they are operating correctly

### **SPILL RESPONSE**

- Spill response procedures as per the BBC field SPCC Plan

### **VEHICLE & LOCATION PROCEDURES**

- Vehicles entering location are to be free of chemical, oil, mud, weeds, trash, and debris
- Location to be treated to kill weeds and bladed when necessary

### **WASTE MANAGEMENT PLAN**

- Waste types include; impacted soils, produced water, and bentonitic-based drilling mud/cuttings.
- Waste materials may be treated to reduce levels of specific compounds or chemicals to meet applicable concentration thresholds.
- Treatment may include mixing, use of chemical treatments, bioremediation, liquids removal, or other approved methods.
- To the extent practicable, BBC will reuse, recycle, and/or put to beneficial use all waste materials generated during the drilling, completion and production of wells.
- All BBC waste for disposal shall be transported to facilities authorized by the COGCC or waste disposal facilities approved to receive E&P waste by the Colorado Department of Public Health and Environment.
- These facilities include: BBC permitted; SWD wells, water management facilities, or landfarms, commercial; waste disposal facilities, SWD facilities, water management facilities, or landfarms.
- 'Beneficial use' may include building secondary containment berms or structures, pad construction, soil amendment, land improvements, road construction or enhancement, or dust suppression. All of these uses shall require that the waste materials meet the applicable federal, state, or local concentration thresholds for the appropriate inorganic and organic compounds or chemicals prior to use.
- Specific transporter(s) and location information for treatment, disposal, recycling, or reuse are not known at this time.

**Bill Barrett Corp. – CDPHE Stormwater Permit Number: COR-039752**