



# APPLICATION FOR GAS CLEARANCE

TD-4100P-10-F01  
11/2012  
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GSO

|   |  |                                      |                          |  |   |
|---|--|--------------------------------------|--------------------------|--|---|
| 1. Clearance No.<br><b>TRA-13-16</b>        |  | 2. Revision No.                      | 2a. Revision Date / Time | 3. Orig Date Sent<br><b>9/10/13</b>  |   |
| 4. Gas Control Center<br><b>GAS CONTROL</b> |  | 5. District/Division<br><b>Tracy</b> |                          | 6. Job No.<br><b>30943472</b>  |   |
| 7. Clearance Supervisor<br>Redacted         |  | 8a. Office Tel No.                   | 8b. Cell No.<br>Redacted | 9a. System<br><input checked="" type="checkbox"/> New <input type="checkbox"/> Std | 9b. Non-System<br><input type="checkbox"/> New <input type="checkbox"/> Std |

|                   |  |  |
|-------------------|--|--|
| <b>REFERENCES</b> | 10a. Operating <b>Maps</b> with Change No.<br><b>384516 Chg 2 sheets 1 &amp; 2</b> | <b>Exhibit A R-A63, Exhibit B Antioch Dreg</b> |
|                   |  | <b>0801098 Rev 0</b>                           |
|                   | 10b. Operating <b>Diagrams</b> with Change No.<br><b>384748 Chg 73</b>             | <b>083691 Rev 13</b>                           |
|                   | <b>484757 Chg 60</b>   | <b>385164 Chg 32</b>                           |

|                 |  |                                |   |                                     |                                       |
|-----------------|--|--------------------------------|---|-------------------------------------|---------------------------------------|
| <b>SCHEDULE</b> | 11a. Start Date<br><b>9/13/13</b>  | 11b. Start Time<br><b>0600</b> | 11c. Completion Date<br><b>9/23/13</b>  | 11d. Completion Time<br><b>2359</b> | 12. Facility Involved<br><b>L-114</b> |
|                 | 13. Equipment or Location<br><b>L-114 MP 12.70 - MP 16.57.<br/>Antioch &amp; Brentwood Terminal</b>                              |                                | 14. Service Interruptions<br>(See Page IV, Special Instructions)<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No      Total No. of Customers |                                     |                                       |
|                 | 15. Description<br><b>L-114 R-134 Replace 3.8 mi. MP-12.70 to 16.57 [3 sections] Including MLV 13.07, Antioch terminal L-114</b> |                                |   |                                     |                                       |

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|   |  |
|---|--|
| <b>insulating joint and Brentwood terminal new Valve Auto MLV 16.58</b>   |  |
| 17. Progress Report at Key Communication Steps (*) or not to exceed <u>Once Daily</u><br>If left blank <u>2hrs</u> is default | 18. Special Instructions<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If Yes, please go to Page V)</i><br><i>All Valve Ops must be in the Sequence of Ops. Valve Ops are <u>not</u> to be included in the Special Instructions</i> |

| AUTHORIZATION OF CLEARANCE |          |  |            |              |
|----------------------------|----------|--|------------|--------------|
|                            | NAME     |  | CONTACT NO | TODAY'S DATE |
| PREPARED BY:               | Redacted |  | Redacted   | 9/10/13      |
| FIELD SUPERVISOR:          |          |  |            | 9/10/13      |
| APPROVED BY GAS CONTROL:   |          |  |            | 9/12/13      |

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| <b>NOTIFICATIONS REQUIRED</b><br><i>(Check those completed by Gas Control)</i> | AGENCY                     | CONTACT NUMBER                   | <input checked="" type="checkbox"/><br><i>(all that apply)</i> | PERSON NOTIFIED | TIME NOTIFIED | NOTIFIED BY WHOM | COMMENTS |
|--|----------------------------|----------------------------------|--|-----------------|---------------|------------------|----------|
|  | GAS CONTROL (NORTH)        | 1-800-811-4111                   | <input type="checkbox"/>                                       |                 |               |                  |          |
|  | GAS CONTROL (SOUTH)        | 1-800-547-5955                   | <input checked="" type="checkbox"/>                            |                 |               | CS               |          |
|  | FLYERS REQUIRED            |                                  | <input type="checkbox"/>                                       |                 |               |                  |          |
|  | CALL CENTERS (CTCC)        | 8-777-7278<br>916-923-7278       | 1-<br><input checked="" type="checkbox"/>                      |                 |               | GSO              |          |
|  | AERIAL PATROL DISPATCHER   | (707) 449-5833<br>(707) 301-9936 | <input checked="" type="checkbox"/>                            |                 |               |                  |          |
|  | AIRPORT                    |                                  | <input type="checkbox"/>                                       |                 |               |                  |          |
|  | LAW ENFORCEMENT            |                                  | <input type="checkbox"/>                                       |                 |               |                  |          |
|  | FIRE DEPARTMENT            | 925-941-3330                     | <input checked="" type="checkbox"/>                            |                 |               | GSO              |          |
|  | AIR QUALITY BOARD          | 415-771-6000                     | <input checked="" type="checkbox"/>                            |                 |               | GSO              |          |
|  | PUBLIC RELATIONS           | Redacted                         | <input type="checkbox"/>                                       | Redacted        |               | C/S              |          |
|  | CUSTOMER IMPACT SPECIALIST |                                  |  |                 |               | C/S              |          |

| <b>DISTRIBUTION BY ORIGINATOR</b><br><i>(Checked "✓" items are mandatory)</i> | AGENCY  | LAN ID           | MANDATORY |
|---|---|------------------|-----------|
|   | SYSTEM GAS CONTROL  | GSO SF CLEARANCE |           |
|   | SYSTEM TRANSMISSION SUPERVISOR                                      | Redacted         |           |
|   | CLEARANCE SUPERVISOR <input type="text" value="Redacted"/>          |                  |           |
|   | GT M&C MAINTENANCE SUPERVISOR <input type="text" value="Redacted"/> |                  |           |
|   | GT M&C SUPERINTENDENT <input type="text" value="Redacted"/>         |                  |           |
|   | GAS T & R SUPERVISORS <input type="text" value="Redacted"/>         |                  |           |
|   | AREA M&C SUPERINTENDENT   |                  |           |
|   | GE PIPELINE/FACILITY ENGINEER <input type="text" value="Redacted"/> | Redacted         |           |
|   | TRANSMISSION SYSTEM PLANNING <input type="text" value="Redacted"/>  |                  |           |
|   | DIVISION ENGINEERING <input type="text" value="Redacted"/>          |                  |           |
|   | PROJECT ENGINEER <input type="text" value="Redacted"/>              |                  |           |
|   | ENVIRONMENTAL ENGINEER  |                  |           |

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### RELEASED GAS VOLUME REQUIREMENTS

|  |   |
|--|---|
| A. Estimated Total Volume of Gas To Be Released During Clearance<br><br><b>750</b> mcf | B. Was a drafting strategy performed if Box A. is over 250MCF?<br><br><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| C. If Box B is checked <b>NO</b> , please explain why.                                 |   |

### RELEASED GAS VOLUMES

|                                   |                                 |   |                           |
|-----------------------------------|---------------------------------|---|---------------------------|
| D. Starting Pressure Drafting     | E. Ending Pressure Drafting     | F. Starting Pressure X-Comp                   | G. Ending Pressure X-Comp |
| H. Gas Volume Saved from Drafting | I. Gas Volume Saved from X-Comp | J. Gas Volume Blown to Atmosphere (MMCF Unit) |                           |

### PURPOSE FOR REVISION CHANGE(S)

|              |                   |             |             |             |              |
|--------------|-------------------|-------------|-------------|-------------|--------------|
| Revision No. | Reason for Change |             |             |             |              |
| Reported By  | Date & Time       | Reported To | Date & Time | Tel No.     | Today's Date |
| Revision No. | Reason for Change |             |             |             |              |
| Reported By  | Date & Time       | Reported By | Date & Time | Reported By | Date & Time  |
| Revision No. | Reason for Change |             |             |             |              |
| Reported By  | Date & Time       | Reported By | Date & Time | Reported By | Date & Time  |

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## SPECIAL INSTRUCTIONS

Please list Special Instructions below

|    |  |
|----|--|
| 1. | <p>“Rio Vista production to stay online, Gas Control to route Rio Vista production to L191N and monitor. Gas Control will shut in production if required”</p>  |
| 2. | <p><b>L316 production will be shut in for clearance duration. Gas Control to notify producers 48 hrs. before clearance. CS to confirm L316 odorizers are shut off for duration of clearance then turned back on when clearance is completed.</b></p>   |
| 3. | <p>District Reg Stations RA-24 Lone Tree, RA -03 Dainty, RA-63 Brentwood Terminal fed from Line 114 will be shut in during this clearance. A distribution backfeed will be created to support these reg stations by the opening of the BTU valves mentioned in the sequence of operations. The following stations will create the distribution backfeed: RA-07 Balfour, RA-02 Brentwood Town, and RA-69 New Victory (by switching feed from Line 114 to Line 303).</p>   |
| 4. | <p><b>Cut &amp; Cap locations: MP 16.51, MP 13.07 d/s of V-1 &amp;V-2 and MP 12.51</b></p>   |
| 5. | <p><b>Draft Strategy:</b><br/><b>Before Draft:</b><br/><b>Gas Control to reduce L114 pressure as low as possible</b></p> <p><b><u>Fri. 9/13</u></b><br/><b>Start Draft no later than 0800 hrs. after isolating between Ant. &amp; Brentwood Terminals</b><br/><b>Draft will be into Diablo Div. DRs @ Antioch Term., Dainty, Lone Tree &amp; Brentwood Terminal</b><br/><b>Gas Control to set Antioch Term. V-103/103R to 85/90# to maintain supply to L114 &amp; between Brentwood &amp; Antioch Terminals during draft.</b></p> <p><b>Draft to continue until Sun. 9/15 1000 hrs. or until line is needed for blow down</b></p> <p><b>After Draft:</b><br/><b>Diablo Div. T&amp;R to:</b><br/><b>Switch Antioch Term. DR RA-69 to feed from L303</b><br/><b>Open BTU valves on adjacent distributions systems as necessary to ensure adequate supply to distribution system</b><br/><b>Isolate L114 from DRs to prevent backfeed into L114</b></p> |
| 6. | <p><b>VALVES:</b><br/><b>All valves in sequence of operations will be serviced prior to and during the clearance as needed</b></p>   |
| 7. | <p><b>Clearance Supervisor responsible to:</b></p> <ul style="list-style-type: none"> <li><b>Notify Customer impact specialist <span style="border: 1px solid black; padding: 0 20px;">Redacted</span> the day before start of clearance and again once completed, and if there are any unforeseen circumstances or delays.</b></li> </ul>   |

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|   |  |   |   |
|---|--|---|---|
| 8.  | <b>BLOW DOWN: Will take place at Antioch Terminal 8" B/D V-T</b>   |   |   |
| 9.  | <b>LOTO Lockout/Tagout:<br/>We will be using Utility Bulletin: TS-4100B-003 to perform the additional requirements for the lockout/tagout procedure. The following valves will be locked as applicable</b>   |   |   |
| 10.   | <p style="text-align: center;"><b>Locked Valves</b></p> <p><b>Antioch Terminal Sta [ATS]:</b><br/>MLV 9.03, K-96<br/>T-12.53 V-1<br/><b>Brentwood Reg Sta V-4, V-5 &amp; V-13</b><br/>T-14.52 V-1<br/><b>Brentwood Terminal Sta:[BTS]</b><br/>V-K59, V-44, MLV 16.59</p> | <p style="text-align: center;"><b>Tagged Valves</b></p> | <p style="text-align: center;"><b>Manned Valves</b></p> |
| 11.   | <b>Tracy District to blow drip at Brentwood Terminal prior to starting clearance.</b>  |   |   |
| <p>All Valve Operations <u>must</u> be in the "Sequence of Operations"<br/>Valve Operations <u>are not</u> to be included in the "Special Instructions"</p> |  |   |   |

\* Indicate Key Communication steps with an asterisk (\*) for communication and logging between Clearance Supv and Gas Cntrl Ctr

|                             |                  |
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# Application for Gas Clearance

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| <p>A. Will Normal Function of the Facility be Maintained?<br/> <input type="checkbox"/> Yes    <input checked="" type="checkbox"/> No    If No, please explain:<br/> <b>Diablo Div. to open BTU valves as needed to support Dist. system</b></p> | <p>B. Does Gas Control Centers Need to Change SCADA Alarms?<br/> <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No</p> |
|--|---|

| SCADA TAG   | SCADA ALARM DESCRIPTION         | NORMAL HI-HI SETTING | CLEARANCE HI-HI SETTING | NORMAL LO-LO SETTING | CLEARANCE LO-LO SETTING        | NORMAL MOP SETTING | CLEARANCE MOP SETTING |
|-------------|---------------------------------|----------------------|-------------------------|----------------------|--------------------------------|--------------------|-----------------------|
| AAN_PT0114S | Ant L114S Out Press             | 457                  | N/C                     | 277                  | 80 during draft, 0 after draft | N/C                | N/C                   |
| ABH_PT001   | Brт-Deh D/S Press               | 456                  | N/C                     | 277                  | 80 during draft, 0 after draft | N/C                | N/C                   |
| BRT_PT0114N | Brт-Plt L114 N Of Brт-PLT Press | 455                  | N/C                     | 247                  | 80 during draft, 0 after draft | N/C                | N/C                   |

|  |  |
|--|--|
| <b>Maximum Welding Pressure</b> <u>N/A</u> | <b>Maximum Tapping Pressure</b> <u>N/A</u> |
|--|--|

*(Note: For Welding on Pressurized Pipelines Gauge Designation, Pressure Limits, Frequency of Observation and a Designated Field Employee or Crew to Observe are Required.)*

| GAUGE DESTINATION<br><i>(Provided by CS)</i> | LIMITS |      | FREQUENCY OF OBSERVATIONS | OBSERVED BY<br><i>(Assigned by CS/Job Supv)</i> |
|--|--------|------|---------------------------|---|
|  | Low    | High |                           |   |
| Brentwood Term D/R                           | 30#    | 60#  | Morning peak              | Diablo TR                                       |
| Lone Tree D/R                                | 43#    | 60#  | Morning peak              | Diablo TR                                       |
| Dainty D/R                                   | 40#    | 60#  | Morning peak              | Diablo TR                                       |
| Redacted                                     | 35#    | 60#  | Morning peak              | Diablo TR                                       |
|  | 36#    | 60#  | Morning peak              | Diablo TR                                       |

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## SEQUENCE OF OPERATIONS

\* Indicate Key Communication steps with an asterisk (\*) for communication and logging between Clearance Supv and Gas Cntrl Ctr

| * OPRN NO. | LOC      | OPERATION    | VALVE NO. | TAGGED  | REMARKS   | COMPLETE D BY                                  | TIME/ DATE |
|------------|----------|--------------|-----------|---------|---|--|------------|
| *          | →        |              |           |         | <b>Request Preliminary Clearance</b><br><i>(per Clearance Procedure Manual)</i> |  |            |
| *          | →        |              |           |         | <b>Request Final Clearance</b><br><i>(Day of Job)</i>                           |  |            |
| 1.         |          |              |           |         | <b>Friday 09-13-13 Day 1</b>  |  |            |
| 2.         |          |              |           |         | <b>CS to confirm that production is shut-in and odorizers are shut off</b>      |  |            |
| 3.         | Redacted | Check Open   | K-47      | Caution | BTU VALVE   | DI T&R   |            |
| 4.         | Redacted | Check Open   | M-05      | Caution | BTU VALVE   | DI T&R   |            |
| 5.         | Redacted | Check Open   | M-06      | Caution | BTU VALVE   | DI T&R   |            |
| 6.         | Redacted | Check Open   | M-07      | Caution | BTU VALVE   | DI T&R   |            |
| 7.         | BTS      | Check Open   | V-16.59   | Caution |   |  |            |
| *          | 8.       | BTS          | Close     | V-85    | Caution   | Disable Controls. Open body cavity vent valve. |            |
| 9.         | BTS      | Close        | V-60      | Caution | Disable Controls  |  |            |
| 10.        | BTS      | Check Closed | V-40      | Caution |   |  |            |
| 11.        | BTS      | Close        | V-44      | MOL     | Disable Controls.<br><b>LOTO</b>  |  |            |
| 12.        | BTS      | Close        | V-70      | Caution | Disable Controls.   |  |            |
| 13.        | BTS      | Check Close  | V-30      | Caution | Double block and bleed. Open gauge taps.  |  |            |

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|   | 14 | BTS                  | Open            | V-170        | Caution |   |  |  |
|   | 15 | BTS                  | Check<br>Open   | K-58         | Caution |   |  |  |
|   | 16 | BTS                  | Check<br>Close  | V-M          | MOL     | Remove blind flange.  |  |  |
| * | 17 | Brentwood<br>Reg Sta | Close           | V-27         | Caution | Open body cavity vent valve<br>Verify with GSO L-316<br>production has been shut in |  |  |
|   | 18 | Brentwood<br>Reg Sta | Check<br>Close  | V-5          | MOL     | <b>LOTO</b>   |  |  |
|   | 19 | Brentwood<br>Reg Sta | Open            | V-B          | Caution | Double block and bleed.   |  |  |
|   | 20 | Brentwood<br>Reg Sta | Close           | V-3          | Caution |   |  |  |
|   | 21 | Brentwood<br>Reg Sta | Close           | V-4          | MOL     | <b>LOTO</b>   |  |  |
|   | 22 | Brentwood<br>Reg Sta | Open            | V-11         | Caution | Double block and bleed.   |  |  |
|   | 23 | Brentwood<br>Reg Sta | Check<br>Close  | V-13         | MOL     | Open body cavity vent valve<br><b>LOTO</b>  |  |  |
|   | 24 | Brentwood<br>Reg Sta | Check<br>Close  | V-19         | Caution | Open body cavity vent valve   |  |  |
|   | 25 | Brentwood<br>Reg Sta | Close           | V-18         | Caution | Open body cavity vent valve.  |  |  |
|   | 26 | Brentwood<br>Reg Sta | Check<br>Open   | V-12         | Caution |   |  |  |
|   | 27 | Brentwood<br>Reg Sta | Open            | V-D          | Caution | Double block and bleed.   |  |  |
|   | 28 | L-114 M.P<br>13.07   | Check<br>Open   | MLV<br>13.07 | Caution | Redacted Tag will<br>be removed when valve set<br>has been abandoned                |  |  |
|   | 29 | L-114 M.P<br>13.07   | Check<br>Open   | V-1          | Caution | Redacted Tag will<br>be removed when valve set<br>has been abandoned                |  |  |
|   | 30 | L-114 M.P<br>13.07   | Check<br>Open   | V-2          | Caution | Redacted Tag will<br>be removed when valve set<br>has been abandoned                |  |  |
|   | 31 | ATS                  | Check<br>Closed | V-5          | MOL     | <b>LOTO</b>   |  |  |

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|----|----------|--------------|--------|------------------|--|--------|--|
| 32 |          |              |        |                  | <b>CS to have GSO close V-4 and lower D/S S.P. on V-103 and V-103R to 85/90# psig to support L-114 during drafting process</b> |        |  |
| 33 | ATS      | Check Closed | V-4    | MOL              | Disable Controls open body cavity<br><b>LOTO</b>   |        |  |
| 34 | ATS      | Check Close  | V-111  | MOL              | <b>LOTO</b>  |        |  |
| 35 | ATS      | Open         | V-181  | Caution          | Pig Launcher   |        |  |
| 36 | ATS      | Open         | V-182  | Caution          | Pig Launcher   |        |  |
| 37 | ATS      | Check Open   | V-9.03 | Caution          |  |        |  |
| 38 | ATS      | Check Open   | K-96   | Caution          | L-114 tap to RA-69   | DI T&R |  |
| 39 | ATS      | Check Close  | K-97   | Caution          | L-303 tap to RA-69   | DI T&R |  |
| 40 |          |              |        |                  | <b>Start Distribution Draft Fri 09-13-13 by 0800 hrs until Sun 09-15-13 1000 hrs. or until line needed for blow down</b>       |        |  |
| 41 |          |              |        |                  | <b>AFTER THE DRAFT</b>   |        |  |
| 42 | ATS      | Open         | K-97   | Caution          | L-303 tap to RA-69   | DI T&R |  |
| 43 | ATS      | Close        | K-96   | R-Caution<br>MOL | L-114 tap to RA-69<br>Open body cavity<br><b>LOTO</b>  | DI T&R |  |
| 44 | ATS      | Open         | Vent   | Caution          | <b>Open K-96 body bleed</b>  | DI T&R |  |
| 45 | ATS      | OPEN         | VENT   | Caution          | <b>Open vent D/S K-96 between check valve V-M-01 AND K-96</b>  | DI T&R |  |
| 46 | Redacted | Open         | K-12   | Caution          | BTU VALVE  | DI T&R |  |
| 47 | Redacted | Open         | K-13   | Caution          | BTU VALVE  | DI T&R |  |
| 48 | Redacted | Open         | K-29   | Caution          | BTU VALVE  | DI T&R |  |
| 49 | Redacted | Open         | K-38   | Caution          | BTU VALVE  | DI T&R |  |

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|----|--------------------------|------------------------|------|---------|--|--------|--|
| 50 | Redacted                 | OPEN                   | K-42 | CAUTION | OPEN BTU VALVE & TAG                       | DI T&R |  |
| 51 |                          | OPEN                   | A-12 | CAUTION | OPEN BTU VALVE & TAG                       | DI T&R |  |
| 52 |                          | Check<br>SET<br>POINTS |      |         | <b>CHECK SET POINT @ 40<br/>PSIG</b>       | DI T&R |  |
| 53 | R-A24<br>LONE TREE<br>DR | CLOSE                  | K-57 | MOL     | CLOSE INLET FIRE VALVE &<br>TAG            | DI T&R |  |
| 54 | R-A24<br>LONE TREE<br>DR | CLOSE                  | K-56 | MOL     | CLOSE OUTLET FIRE VALVE<br>& TAG           | DI T&R |  |
| 55 | R-A24<br>LONE TREE<br>DR | PURGE                  |      |         | OPEN METRIC VALVES AND<br>BLOWDOWN STATION | DI T&R |  |
| 56 | R-A24<br>LONE TREE<br>DR | CLOSE                  | V-1  | Caution | CLOSE INLET STATION                        | DI T&R |  |
| 57 | R-A24<br>LONE TREE<br>DR | CLOSE                  | V-9  | Caution | CLOSE INLET STATION                        | DI T&R |  |
| 58 | R-A24<br>LONE TREE<br>DR | CLOSE                  | V-8  | Caution | CLOSE OUTLET STATION                       | DI T&R |  |
| 59 | R-A24<br>LONE TREE<br>DR | CLOSE                  | V-16 | Caution | CLOSE OUTLET STATION                       | DI T&R |  |
| 60 | R-A24<br>LONE TREE<br>DR | OPEN                   |      |         | OPEN METRIC VALVES IN<br>THE STATION       | DI T&R |  |
| 61 | R-A03<br>DAINTY<br>DR    | CLOSE                  | K-50 | MOL     | CLOSE INLET FIRE VALVE &<br>TAG            | DI T&R |  |
| 62 | R-A03<br>DAINTY<br>DR    | CLOSE                  | K-49 | MOL     | CLOSE OUTLET FIRE VALVE<br>& TAG           | DI T&R |  |
| 63 | R-A03<br>DAINTY<br>DR    | CLOSE                  | K-55 | MOL     | CLOSE OUTLET FIRE VALVE<br>& TAG           | DI T&R |  |
| 64 | R-A03<br>DAINTY<br>DR    | PURGE                  |      |         | OPEN METRIC VALVES AND<br>BLOWDOWN STATION | DI T&R |  |

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|----|-----------------------------------|-------|------|---------|--|--------|--|
| 65 | R-A03<br>DAINTY<br>DR             | CLOSE | V-1  | CAUTION | CLOSE INLET STATION  | DI T&R |  |
| 66 | R-A03<br>DAINTY<br>DR             | CLOSE | V-9  | CAUTION | CLOSE INLET STATION  | DI T&R |  |
| 67 | R-A03<br>DAINTY<br>DR             | CLOSE | V-8  | CAUTION | CLOSE OUTLET STATION   | DI T&R |  |
| 68 | R-A03<br>DAINTY<br>DR             | CLOSE | V-16 | CAUTION | CLOSE OUTLET STATION   | DI T&R |  |
| 69 | R-A03<br>DAINTY<br>DR             | OPEN  |      |         | OPEN METRIC VALVES IN<br>THE STATION   | DI T&R |  |
| 70 | R-A03<br>DAINTY DR                |       |      |         | OPEN LIDS AND REMOVE<br>STRAINER FILTERS TO<br>ASSIST IN FRESH AIR<br>DRAFTING |        |  |
| 71 | RA-63<br>BRNTWD<br>TERMINAL<br>DR | CLOSE | K-58 | MOL     | CLOSE INLET FIRE VALVE &<br>TAG  | DI T&R |  |
| 72 | RA 63<br>BRNTWD<br>TERMINAL<br>DR | CLOSE | K-59 | MOL     | CLOSE OUTLET FIRE VALVE<br>& TAG<br>LOTO                                       | DI T&R |  |
| 73 | R-A63<br>BRNTWD<br>TERMINAL<br>DR | PURGE |      |         | OPEN METRIC VALVES AND<br>BLOWDOWN STATION                                     | DI T&R |  |
| 74 | R-A63<br>BRNTWD<br>TERMINAL<br>DR | CLOSE | V-1  | CAUTION | CLOSE INLET STATION  | DI T&R |  |
| 75 | R-A63<br>BRNTWD<br>TERMINAL<br>DR | CLOSE | V-3  | CAUTION | CLOSE INLET STATION  | DI T&R |  |
| 76 | R-A63<br>BRNTWD<br>TERMINAL<br>DR | CLOSE | V-4  | CAUTION | CLOSE OUTLET STATION   | DI T&R |  |
| 77 | R-A63<br>BRNTWD<br>TERMINAL<br>DR | CLOSE | V-2  | CAUTION | CLOSE OUTLET STATION   | DI T&R |  |

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# Application for Gas Clearance

|   |    |                                      |                |                     |                  |  |        |  |
|---|----|--------------------------------------|----------------|---------------------|------------------|--|--------|--|
|   | 78 | R-A63<br>BRNTWD<br>TERMINAL<br>DR    | OPEN           |                     |                  | OPEN METRIC VALVES IN<br>THE STATION   | DI T&R |  |
|   | 79 | R-A63<br>BRNTWD<br>TERMINAL<br>DR    |                |                     |                  | OPEN LID AND REMOVE<br>ELEMENTS <b>OR</b> DROP<br>FILTERS TO ASSIST IN<br>FRESH AIR DRAFTING | DI T&R |  |
|   | 80 |                                      |                |                     |                  | <b>Sun., 9-15. after draft –<br/>ready for blow down:”</b>                                   |        |  |
| * | 81 | ATS                                  | Close          | V-<br>9.01          | MOL              | Open body bleed<br><b>Shutting section of L-114<br/>LOTO</b>                                 |        |  |
|   | 82 | ATS                                  | Check<br>Close | V-T                 | MOL              | Remove blind flange install<br>blow down stack.  |        |  |
|   | 83 | BTS                                  | Check<br>Close | V-256               | MOL              | Remove blind flange.   |        |  |
| * | 84 |                                      |                |                     |                  | <b>C/S Notify gas control ready<br/>for blow down. Record<br/>pressure.</b>                  |        |  |
|   | 85 | ATS                                  | Open           | V-T                 | R-MOL<br>Caution | Blow down line until flat<br>install and start air mover                                     |        |  |
|   | 86 | ATS                                  | Close          | V-181               | Caution          |  |        |  |
|   | 87 | ATS                                  | Close          | V-182               | Caution          | Open body bleed  |        |  |
|   | 88 | L-114 M.P.<br>12.53 Lone<br>Tree tap | Close          | V-1<br>Tap<br>12.53 | MOL              | V-1 Tap 12.53 First valve off<br>L-114<br><b>LOTO</b>  |        |  |
|   | 89 | BTS                                  | Close          | V-<br>16.59         | MOL              | <b>LOTO</b>  |        |  |
|   | 90 | BTS                                  | Open           | V-AZ                | Caution          | Double block and bleed.  |        |  |
|   | 91 | BTS                                  | Open           | V-256               | R-MOL<br>Caution | Fresh air source   |        |  |
|   | 92 | BTS                                  | Open           | V-M                 | R-MOL<br>Caution | Fresh air source   |        |  |
|   | 93 | Brentwood<br>Reg Sta                 | Open           | V-A                 | Caution          | Fresh air source.  |        |  |
|   | 94 | R-A63<br>BRNTWD<br>TERMINAL<br>DR    | Open           | K-58                | R-MOL<br>Caution | Verify Lids on filters open<br>and filters removed. Fresh air<br>source.                     |        |  |

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# Application for Gas Clearance

|      |                                     |       |                     |                  |  |  |       |
|------|-------------------------------------|-------|---------------------|------------------|--|--|-------|
| 95.  | R-A63<br>BRNTWD<br>TERMINAL<br>DR   | OPEN  | V-1                 | CAUTION          | OPEN INLET STATION                     | DI T&R   |       |
| 96.  | R-A63<br>BRNTWD<br>TERMINAL<br>DR   | OPEN  | V-3                 | CAUTION          | OPEN INLET STATION                     | DI T&R   |       |
| 97.  | R-A03<br>DAINTY<br>DR               | OPEN  | K-50                | R-MOL<br>CAUTION | OPEN INLET FIRE VALVE &<br>TAG         |  |       |
| 98.  | R-A03<br>DAINTY<br>DR               | OPEN  | V-1                 | CAUTION          | OPEN INLET STATION<br>FRESH AIR SOURCE | DI T&R   |       |
| 99.  | R-A03<br>DAINTY<br>DR               | OPEN  | V-9                 | CAUTION          | OPEN INLET STATION<br>FRESH AIR SOURCE | DI T&R   |       |
| 100. |                                     |       |                     |                  |  | When 0% gas detected at air<br>mover and sniff hole locations  |       |
| 101. | L-114 M.P.<br>14.52 Central<br>blvd | CLOSE | V-1<br>Tap<br>14.52 | MOL              |  | V-1 Tap 14.52 First valve off<br>L-114<br><b>LOTO</b>  |       |
| 102. | R-A03<br>DAINTY<br>DR               | CLOSE | V-1                 | CAUTION          |  | CLOSE VALVE INSTALL<br>STRAINER FILTER AND LID   | DI T& |
| 103. | R-A03<br>DAINTY<br>DR               | CLOSE | V-9                 | CAUTION          |  | CLOSE VALVE INSTALL<br>STRAINER FILTER AND LID   | DI T& |
| 104. | R-A03<br>DAINTY<br>DR               | CLOSE | K-50                | CAUTION          |  | DOUBLE BLOCK AND<br>BLEED  |       |
| 105. | ATS                                 | CLOSE | V-9.03              | T/MOL            |  | Close V 9.03 Open body cavity<br>when 0% gas detected AT<br>SNIFF HOLE D/S OF mlv 9.03                                 |       |
| 106. |                                     |       |                     |                  |  | Install and start air mover on 2"<br>d/s of MLV 9.03   |       |
| 107. |                                     |       |                     |                  |  | <b>C/S Reports ON</b>  |       |
| 108. |                                     |       |                     |                  |  | When 0% gas is confirmed:<br>Secondary Clearance Holder<br>verifies <b>LOTO</b> procedure &<br><b>Report On to CS.</b> |       |
| 109. |                                     |       |                     |                  |  | <b>Turn over to G.C. Gas<br/>follow G.C. procedure.</b>  |       |
| 110. |                                     |       |                     |                  |  | <b>When can is cut out at tie-in<br/>location</b> <span style="border: 1px solid black; padding: 2px;">Redacted</span> |       |

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# Application for Gas Clearance

|      |                          |            |       |         |   |       |
|------|--------------------------|------------|-------|---------|---|-------|
| 111. | BTS                      | Check Open | V-256 | Caution | Install and start air mover.  |       |
| 112. | BTS                      | Check Open | V-M   | Caution | Install and start air mover.  |       |
| 113. |                          |            |       |         | <b>When can is cut out at Brentwood terminal</b>  |       |
| 114. | Brentwood Reg Sta        | Check Open | V-A   | Caution | Install and start air mover.  |       |
| 115. |                          |            |       |         | <b>When can is cut out at Antioch Terminal</b>  |       |
| 116. |                          |            |       |         | Install and operate air mover at cap on Fairview Court  |       |
| 117. |                          |            |       |         | <b>After welding of caps, X-Rays are complete. Confirm that all fittings are made up and prepare for purge.</b>   |       |
| 118. |                          |            |       |         | Secondary Clearance Holder confirms that the <b>work is ready for testing</b> , Secondary Clearance Holder <b>Report off to CS &amp; proceeds with LOTO</b> procedure |       |
| 119. |                          |            |       |         | <b>C/S REPORTS ON TEST</b>  |       |
| 120. | BTS                      | Close      | V-M   | Caution | Remove air mover install blind flange.  |       |
| 121. | R-A63 BRNTWD TERMINAL DR | Close      | K58   | Caution |   |       |
| 122. | R-A63 BRNTWD TERMINAL DR | CLOSE      | V1    | Caution | CLOSE INLET STATION   | DI T& |
| 123. | R-A63 BRNTWD TERMINAL DR | CLOSE      | V3    | Caution | CLOSE INLET STATION   | DI T& |
| 124. |                          |            |       |         | Install filters and install lids on filters.  |       |
| 125. | BTS                      | Check Open | V-256 | Caution | Remove air mover  |       |
| 126. | BTS                      | Close      | V-AZ  | Caution |   |       |

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# Application for Gas Clearance

|      |                     |                |                      |                   |   |
|------|---------------------|----------------|----------------------|-------------------|---|
| 127. | BTS                 | Open           | V-16.59              | R-MOL<br>Caution  | To prepare for purge to end cap<br><b>R/LOTO</b>  |
| 128. | BTS                 | Check<br>Open  | Valve<br>on cap      | Caution           | L-114 M.P. 16.51 Isolation<br>cap.  |
| 129. |                     |                |                      |                   | Notify GSO ready to purge<br>to caps at Lone tree<br><b>Brentwood Terminal and</b><br>Redacted    |
| 130. | BTS                 | Slowly<br>Open | V-40                 | Tagged<br>Caution | Purge to Cap.   |
| 131. | BTS                 | Close          | Valve<br>on cap      | Caution           | L-114 M.P. 16.51 Isolation<br>cap. When 100% gas detected<br>at valve. Install blind flange.      |
| 132. | BTS                 | Close          | V-256                | Caution           | When 100% gas detected.<br>Install blind flange.  |
| 133. | BTS                 | Close          | V-40                 | Tagged<br>Caution | Close V-40 at 100 % gas   |
| 134. | BTS                 | Close          | V-16.59              | R-Caution<br>MOL  | <b>LOTO</b>   |
| 135. | BTS                 | Open           | V-AZ                 | Caution           |   |
| 136. | ATS                 | Close          | V-T                  | Caution           | Remove air mover install<br>blind flange.   |
| 137. | ATS                 | Close          | 9.03                 | Caution           | Body Bleed  |
| 138. | ATS                 | Close          | D/S S-<br>A-V        |                   | At MLV 9.03   |
| 139. | ATS                 | Open           | 9.03                 | R/Caution         |   |
| 140. | L-114 M.P.<br>12.70 | Check<br>Open  | Valve<br>s on<br>cap | Caution           | Confirm valve on Isolation<br>cap open with stack   |
| 141. | ATS                 | Slowly<br>Open | V-9.01               | R-MOL<br>Caution  | Purge L-114 from ATS to<br>M.P. 12.70 thru valve on weld<br>cap.<br><b>R- LOTO</b>                |
| 142. | L-114 M.P.<br>12.70 | Close          | Valve<br>s on<br>cap | Caution           | When 100% gas detected at<br>cap, close valve install blind<br>flange                             |
| 143. | ATS                 | Close          | V-9.01               | R-Caution<br>MOL  | Close V-9.01 at 100 % gas.<br>L-114 to be left with 100%<br>gas until final tie-in<br><b>LOTO</b> |

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# Application for Gas Clearance

|      |                   |              |               |               |   |
|------|-------------------|--------------|---------------|---------------|---|
| 144. |                   |              |               |               | Set up to Purge from Brentwood Reg Station to cap on <span style="border: 1px solid black; padding: 2px;">Redacted</span> street. |
| 145. | Brentwood Reg Sta | Close        | V-A           | Caution       | Remove air mover install plug in valve.   |
| 146. | L-114 M.P. 13.07  | Check Open   | Valves on cap | Caution       | Open valves install stacks in valves.   |
| 147. | Brentwood Reg Sta | Close        | V-12          | Caution       |   |
| 148. | Brentwood Reg Sta | Open         | V-13          | R-MOL Caution | Close body cavity<br><b>R-LOTO</b>  |
| 149. | Brentwood Reg Sta | Slowly Open  | V-18          | Caution       | Close body cavity   |
| 150. | L-114 M.P. 13.07  | Close        | Valve on cap  | Caution       | Close valve remove stack when 100% gas detected. L-316 to be left with 100% gas until final tie in.                               |
| 151. | Brentwood Reg Sta | Close        | V-18          | Caution       | AT 100% gas Open body cavity  |
| 152. | Brentwood Reg Sta | Open         | V-12          | Caution       |   |
| 153. | Brentwood Reg Sta | Close        | V-13          | R-Caution MOL | Open body cavity<br><b>LOTO</b>   |
| 154. |                   |              |               |               | <b>REPORTS OFF TEST</b><br>End of 9-16-13   |
| 155. |                   |              |               |               | <b>After Pre tie in work has been completed 9-23-13</b>   |
| 156. |                   |              |               |               | <b>C/S REPORTS ON TEST</b>  |
| 157. |                   |              |               |               | <b>C/S Notify GSO ready to blow down piping at Antioch Terminal, Brentwood Terminal and Brentwood Reg Station</b>                 |
| 158. | BTS               | Check Closed | V-16.59       | Tagged MOL    | <b>LOTO</b>   |
| 159. | BTS               | Check Close  | V-44          | MOL           | Disable Controls.<br><b>LOTO</b>  |
| 160. | BTS               | Check Close  | V-256         | Caution       | Remove blind flange.  |

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# Application for Gas Clearance

|      |                                   |              |                |         |   |       |
|------|-----------------------------------|--------------|----------------|---------|---|-------|
| 161. | BTS                               | Open         | Valve on cap   | Caution | MP 16.51 end cap line left with 100% gas blow line down flat.& fresh air                                  |       |
| 162. | BTS                               | Open         | V-256          | Caution | Install and start air mover.  |       |
| 163. |                                   |              |                |         | <b>Confirm Brentwood Reg R-A63 is flat remove lid and filters for fresh air source</b>                    |       |
| 164. | R-A63<br>BRNTWD<br>TERMINAL<br>DR | Open         | V1             | Caution | OPEN INLET STATION  | DI T& |
| 165. | R-A63<br>BRNTWD<br>TERMINAL<br>DR | Open         | V3             | Caution | OPEN INLET STATION  | DI T& |
| 166. | R-A63<br>BRNTWD<br>TERMINAL<br>DR | Open         | K58            | Caution | FRESH AIR SOURCE  | DI T& |
| 167. | Brentwood<br>Reg Sta              | Open         | V-A            | Caution | Remove plug install stack. Line left with <b>100% gas</b> . Install and start air mover.                  |       |
| 168. | L-114 M.P.<br>13.07               | Open         | Valve on cap   | Caution | Fresh air source.   |       |
| 169. | ATS                               | Check Closed | V-T            | Caution | Blow down header remove blind flange.   |       |
| 170. | ATS                               | Open         | V-T            | Caution | Open valve install and start air mover. Line was left with <b>100% gas</b> .                              |       |
| 171. | L-114 M.P.<br>12.70               | Open         | Valve s on cap | Caution | 2" sav-a-valve for Fresh air source.  |       |
| 172. |                                   |              |                |         | <b>When 0% gas detected at all tie in locations.</b>  |       |
| 173. |                                   |              |                |         | <b>C/S REPORTS OFF TEST</b>   |       |
| 174. |                                   |              |                |         | When 0% gas is confirmed: Secondary Clearance Holder verifies LOTO procedure & <b>Reports On to CS.</b>   |       |
| 175. |                                   |              |                |         | <b>Use G.C. tie in procedure</b>  |       |
| 176. |                                   |              |                |         | <b>After welding and X-Rays are complete. Confirm that all fittings are made up and prepare for purge</b> |       |

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|      |                                   |                |                     |                  |   |
|------|-----------------------------------|----------------|---------------------|------------------|---|
| 177. |                                   |                |                     |                  | Secondary Clearance Holder confirms that the work is ready for testing, <b>Secondary Clearance Holder Report off to CS &amp; proceeds with LOTO procedure</b> |
| 178. |                                   |                |                     |                  | <b>C/S REPORTS OFF</b>  |
| 179. | L-114 M.P.<br>13.05               | Check<br>Open  | New<br>MLV<br>13.05 | Caution          | Check Open new MLV 13.05<br>Close body cavity   |
| 180. | L-114 M.P.<br>13.05               | Check<br>Open  | New<br>V-1          | Caution          | Check Open new V-1<br>Close body cavity   |
| 181. | L-114 M.P.<br>13.05               | Check<br>Open  | New<br>V-2          | Caution          | Check Open new V-2<br>Close body cavity   |
| 182. | L-114 M.P.<br>13.05               | Check<br>Open  | New<br>V-A          | Caution          | Check Open new V-A<br>Close body cavity   |
| 183. | L-114 M.P.<br>13.05               | Check<br>Open  | New<br>V-B          | Caution          | Check Open new V-B<br>Close body cavity   |
| 184. | L-114 M.P.<br>13.05               | Check<br>Open  | New<br>V-C          | Caution          | Check Open new V-C<br>Close body cavity   |
| 185. | BTS                               | Check<br>Open  | New<br>MLV<br>16.58 | Caution          | Check Open new MLV 16.58<br>Close body cavity   |
| 186. | BTS                               | Check<br>Open  | V-M                 | Caution          | Check Open new V-M<br>Close body cavity to prepare<br>for purge   |
| 187. | Brentwood<br>Reg Sta              | Check<br>Open  | V-A                 | Caution          | Remove air mover prepare for<br>purge   |
| 188. | R-A63<br>BRNTWD<br>TERMINAL<br>DR | Close          | K58                 | R-Caution<br>MOL | Install filters and lids on<br>filters.   |
| 189. | BTS                               | Open           | V-M                 | Caution          | Remove Air mover prepare for<br>purge.  |
| 190. | BTS                               | Check<br>Open  | V-256               | Caution          | Remove Air mover prepare for<br>purge.  |
| 191. | ATS                               | Close          | V-T                 | R-Caution        | Remove air mover install<br>blind flange.   |
| 192. |                                   |                |                     |                  | <b>Notify Gas Control ready for<br/>purge. Purge From ATS to<br/>BTS</b>  |
| 193. | ATS                               | Check<br>Close | V-182               | R-caution        | Close body bleed  |

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|------|----------------------|----------------|---------------------|------------------|--|--|
| 194. | ATS                  | Check<br>Close | V-180               | R-caution        | Close body bleed   |  |
| 195. | ATS                  | Check<br>Open  | V-<br>9.03          | R-Caution        |  |  |
| 196. | ATS                  |                |                     |                  | Confirm SP on 103& 103R set<br>to <b>100 psig</b>  |  |
| 197. | ATS                  | Slowly<br>Open | V-<br>9.01          | R-MOL<br>Caution | Slowly Open <b>V-9.01</b> purge<br>from ATS to BTS Close body<br>bleed<br><b>R- LOTO</b> |  |
| 198. | Brentwood<br>Reg Sta | Close          | V-A                 | R-Caution        | When <b>100% gas</b> detected at<br>V-A install plug.                                    |  |
| 199. | BTS                  | Close          | V-M                 | R-Caution        | When <b>100% gas</b> detected at<br>V-M install blind flange.                            |  |
| 200. | BTS                  | Close          | V-256               | R-Caution        | When <b>100% gas</b> detected at<br>V-256 install blind flange.                          |  |
| 201. | ATS                  | Close          | V-<br>9.01          | Caution          | When Line reaches <b>100 psig</b>  |  |
| 202. |                      |                |                     |                  | <b>Soap test all welds and<br/>fitting.</b>  |  |
| 203. |                      |                |                     |                  | <b>Proceed with valve<br/>commissioning.</b>   |  |
| 204. | L-114 M.P.<br>13.05  | Check<br>Open  | MLV<br>13.05        | R-Caution        | Close valve blow down body<br>cavity then open<br>MLV-13.05                              |  |
| 205. | L-114 M.P.<br>13.05  | Check<br>Open  | V-1                 | R-Caution        | Close valve blow down body<br>cavity then open V-1                                       |  |
| 206. | L-114 M.P.<br>13.05  | Check<br>Open  | V-2                 | R-Caution        | Close valve blow down body<br>cavity then open V-2                                       |  |
| 207. | L-114 M.P.<br>13.05  | Close          | V-A                 | R-Caution        | Close valve blow down body<br>cavity.  |  |
| 208. | L-114 M.P.<br>13.05  | Close          | V-B                 | R-Caution        | Close valve blow down body<br>cavity.  |  |
| 209. | L-114 M.P.<br>13.05  | Close          | V-C                 | R-Caution        | Close valve blow down body<br>cavity.  |  |
| 210. | BTS                  | Check<br>Open  | MLV<br>NEW<br>16.58 | R-Caution        | Close valve blow down body<br>cavity then open<br>MLV-16.58                              |  |
| 211. | BTS                  | Close          | NEW<br>V-M          | R-Caution        | Close valve blow down body<br>cavity.  |  |
| 212. | ATS                  | Open           | V-<br>9.01          | R-Caution        |  |  |

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|      |     |              |         |           |   |  |
|------|-----|--------------|---------|-----------|---|--|
| 213. | ATS | Check Closed | V-5     | R/MOL     |   |  |
| 214. | ATS | Check Closed | V-4     | R/MOL     | Enable Controls close body cavity   |  |
| 215. | ATS | Check Close  | V-111   | R/MOL     |   |  |
| 216. |     |              |         |           | <b>CS to have GSO to raise set point on V-103 &amp; 103R and slowly pack to line pressure Then soap test all welds and fittings</b> |  |
| 217. | ATS | Close        | VENT    | R-Caution | Close vent D/S K-96 between check valve V-M-01 AND K-96   |  |
| 218. | ATS | Close        | Vent    | R-Caution | Close K-96 body bleed   |  |
| 219. | ATS | Open         | K-96    | R-MOL     | L-114 tap to RA-69<br><b>R-LOTO</b>   |  |
| 220. | ATS | Close        | K-97    | R-Caution | L-303 tap to RA-69  |  |
| 221. | BTS | Slowly Open  | V-16.59 | R/MOL     | <b>R-LOTO</b>   |  |
| 222. | BTS | Close        | V-AZ    | R-Caution | When <b>100 % gas</b> detected between V-16.59 and V-85   |  |
| 223. | BTS | Enable       | V-60    | R-Caution | Confirm with GSO that V-60 has 0% set point prior to enabling   |  |
| 224. | BTS | Check Closed | V-40    | R-Caution |   |  |
| 225. | BTS | Enable       | V-44    | R-MOL     | Confirm with GSO that V-44 has 0% set point prior to enabling<br><b>LOTO</b>  |  |
| 226. | BTS | Enable       | V-70    | R-Caution | Confirm with GSO that V-70 has 0% set point prior to enabling   |  |
| 227. | BTS | Check Closed | V-30    | R-Caution |   |  |
| 228. | BTS | Close        | V-170   | R-Caution |   |  |

|                             |                  |
|-----------------------------|------------------|
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# Application for Gas Clearance

|      |                                   |                 |      |                  |   |       |
|------|-----------------------------------|-----------------|------|------------------|---|-------|
| 229. | BTS                               | Slowly<br>Open  | V-85 | R-Caution        | Close body cavity vent valve.<br>Monitor D/S pressure before<br>opening Enable controls |       |
| 230. | Brentwood<br>Reg Sta              | Slowly<br>Open  | V-18 | R-Caution        | Close body cavity vent valve.   |       |
| 231. | Brentwood<br>Reg Sta              | Close           | V-D  | R-Caution        | When <b>100% gas</b> detected<br>Install blind flange                                   |       |
| 232. | Brentwood<br>Reg Sta              | Check<br>Closed | V-13 | R-MOL            | Close body cavity vent valve<br><b>R-LOTO</b>   |       |
| 233. | Brentwood<br>Reg Sta              | Check<br>Closed | V-19 | R-Caution        | Close body cavity vent valve  |       |
| 234. | Brentwood<br>Reg Sta              | Check<br>Open   | V-12 | R-Caution        |   |       |
| 235. | Brentwood<br>Reg Sta              | Slowly<br>Open  | V-3  | R/Caution        | Purge reg set to <b>100% gas</b>  |       |
| 236. | Brentwood<br>Reg Sta              | Close           | V-11 | R-Caution        | Install plug  |       |
| 237. | Brentwood<br>Reg Sta              | Open            | V-4  | R-MOL            | Verify reg set operational<br><b>R-LOTO</b>   |       |
| 238. | Brentwood<br>Reg Sta              | Open            | V-27 | R-Caution        |   |       |
| 239. | Brentwood<br>Reg Sta              | Slowly<br>Open  | V-5  | R-MOL<br>Caution | Purge to 100% gas-<br><b>R/LOTO</b>   |       |
| 240. | Brentwood<br>Reg Sta              | CLOSE           | V-5  | R-Caution        |   |       |
| 241. | Brentwood<br>Reg Sta              | CLOSE           | V-B  | R-Caution        |   |       |
| 242. | R-A63<br>BRNTWD<br>TERMINAL<br>DR | INSTALL         |      |                  | RE-INSTALL FILTERS  | DI T& |
| 243. | R-A63<br>BRNTWD<br>TERMINAL<br>DR | OPEN            | K-58 | R-MOL            | OPEN INLET FIRE VALVE,<br>REMOVE TAG & PURGE<br>INLET TO STATION                        | DI T& |
| 244. | R-A63<br>BRNTWD<br>TERMINAL<br>DR | OPEN            | K-59 | RMOL             | OPEN OUTLET FIRE VALVE,<br>REMOVE TAG & PURGE<br>STATION<br><b>R-LOTO</b>               | DI T& |
| 245. | R-A63<br>BRNTWD<br>TERMINAL<br>DR | CHECK<br>OPEN   | V-3  | R<br>CAUTION     | OPEN INLET STATION<br>VALVE   | DI T& |

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# Application for Gas Clearance

|      |                                   |                |                     |              |   |       |
|------|-----------------------------------|----------------|---------------------|--------------|---|-------|
| 246. | R-A63<br>BRNTWD<br>TERMINAL<br>DR | CHECK<br>OPEN  | V-1                 | R<br>CAUTION | OPEN INLET STATION<br>VALVE   | DI T& |
| 247. | R-A63<br>BRNTWD<br>TERMINAL<br>DR | OPEN           | V-4                 | R<br>CAUTION | OPEN INLET STATION<br>VALVE<br>Monitor D/S pressure not to<br>exceed MOP  | DI T& |
| 248. | R-A63<br>BRNTWD<br>TERMINAL<br>DR | OPEN           | V-2                 | R<br>CAUTION | OPEN OUTLET STATION<br>VALVE<br>Monitor D/S pressure not to<br>exceed MOP | DI T& |
| 249. | R-A63<br>BRNTWD<br>TERMINAL<br>DR | PURGE          |                     |              | PURGE STATION AND<br>CHECK SET POINTS                                     | DI T& |
| 250. | Redacted                          | Slowly<br>Open | V-1<br>Tap<br>14.52 | R-MOL        | V-1 Tap 14.52 First valve off<br>L-114<br><b>R-LOTO</b>                   |       |
| 251. | R-A03<br>DAINTY<br>DR             | OPEN           | K-50                | RMOL         | OPEN INLET FIRE VALVE,<br>REMOVE TAG & PURGE<br>INLET TO STATION          | DI T& |
| 252. | R-A03<br>DAINTY<br>DR             | OPEN           | K-55                | RMOL         | OPEN OUTLET FIRE VALVE,<br>REMOVE TAG & PURGE<br>OUTLET TO STATION        | DI T& |
| 253. | R-A03<br>DAINTY<br>DR             | OPEN           | K-49                | RMOL         | OPEN OUTLET FIRE VALVE,<br>REMOVE TAG & PURGE<br>OUTLET TO STATION        | DI T& |
| 254. | R-A03<br>DAINTY<br>DR             | OPEN           | V-1                 | R<br>CAUTION | OPEN INLET STATION<br>VALVE   | DI T& |
| 255. | R-A03<br>DAINTY<br>DR             | OPEN           | V-9                 | R<br>CAUTION | OPEN INLET STATION<br>VALVE   | DI T& |
| 256. | R-A03<br>DAINTY<br>DR             | OPEN           | V-8                 | R<br>CAUTION | OPEN OUTLET STATION<br>VALVE<br>Monitor D/S pressure not to<br>exceed MOP | DI T& |
| 257. | R-A03<br>DAINTY<br>DR             | OPEN           | V-16                | R<br>CAUTION | OPEN OUTLET STATION<br>VALVE<br>Monitor D/S pressure not to<br>exceed MOP | DI T& |
| 258. | R-A03<br>DAINTY<br>DR             | PURGE          |                     |              | PURGE STATION & CHECK<br>SET POINTS                                       | DI T& |

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|------|--------------------------------------|---------------|---------------------|---------------|---|--------|
| 259. | Redacted                             | Check<br>OPEN | K-47                | R-Caution     | VERIFY VALVE IS OPEN  | DI T&S |
| 260. | L-114 M.P.<br>12.53 Lone<br>Tree tap | Open          | V-1<br>Tap<br>12.53 | R-MOL         | V-1 Tap 12.53 First valve off<br>L-114<br><b>R-LOTO</b>                   |        |
| 261. | R-A24<br>LONE TREE<br>DR             | Open          | K-57                | R-MOL         | OPEN INLET FIRE VALVE   |        |
| 262. | R-A24<br>LONE TREE<br>DR             | OPEN          | K-56                | R-MOL         | OPEN OUTLET FIRE VALVE  |        |
| 263. | R-A24<br>LONE TREE<br>DR             | PURGE         |                     |               | OPEN METRIC VALVES AND<br>PURGE STATION                                   |        |
| 264. | R-A24<br>LONE TREE<br>DR             | OPEN          | V-1                 | R-<br>CAUTION | OPEN INLET STATION  |        |
| 265. | R-A24<br>LONE TREE<br>DR             | OPEN          | V-9                 | R-<br>CAUTION | OPEN INLET STATION  |        |
| 266. | R-A24<br>LONE TREE<br>DR             | CLOSE         |                     |               | CLOSE METRIC VALVES IN<br>THE STATION                                     |        |
| 267. | R-A24<br>LONE TREE<br>DR             | OPEN          | V-8                 | R-<br>CAUTION | OPEN STATION OUTLET<br>VALVE<br>Monitor D/S pressure not to<br>exceed MOP |        |
| 268. | R-A24<br>LONE TREE<br>DR             | OPEN          | V-16                | R-<br>CAUTION | OPEN STATION OUTLET<br>VALVE<br>Monitor D/S pressure not to<br>exceed MOP |        |
| 269. | Redacted                             | CLOSE         | A-12                | R<br>CAUTION  | CLOSE BTU VALVE AND<br>REMOVE TAG   | DI T&S |
| 270. | Redacted                             | CLOSE         | K-42                | R<br>CAUTION  | CLOSE BTU VALVE AND<br>REMOVE TAG   | DI T&S |
| 271. | Redacted                             | CLOSE         | K-13                | R<br>CAUTION  | CLOSE BTU VALVE AND<br>REMOVE TAG   | DI T&S |
| 272. | Redacted                             | CLOSE         | K-12                | R<br>CAUTION  | CLOSE BTU VALVE AND<br>REMOVE TAG   | DI T&S |
| 273. | Redacted                             | CLOSE         | K-29                | R-<br>Caution | CLOSE BTU VALVE AND<br>REMOVE TAG   | DI T&S |

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|      |          |                   |      |           |   |   |
|------|----------|-------------------|------|-----------|---|---|
| 274. | Redacted | CLOSE             | K-38 | R-Caution | CLOSE BTU VALVE AND REMOVE TAG                    | DI T&   |
| 275. |          | Verify SET POINTS |      |           | Verify SET POINTS FOR REGS AND MONITORS @ 40 psig | DI T&   |
| 276. |          | Check Open        | M-05 | R-Caution | BTU VALVE   | DI T&   |
| 277. |          | Check Open        | M-06 | R-Caution | BTU VALVE   | DI T&   |
| 278. |          | Check Open        | M-07 | R-Caution | BTU VALVE   | DI T&   |
| 279. |          |                   |      |           |   | <b>Notify Gas Control to have production come back on and turn on odorizers</b> |
| 280. |          |                   |      |           | <b>Job Complete</b>                               |   |

|   |  |
|---|--|
| * | NOTIFY GAS CONTROL CLEARANCE COMPLETE, EQUIPMENT IS RETURNED TO OPERATIONS                 |
| * | SEND VIA FAX OR EMAIL TO GSO SF CLEARANCE AND GSM MAPPING DEPTS REDLINED CHANGES OF OM&D'S |

|                             |                  |
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