



**NEW MEXICO ENVIRONMENT DEPARTMENT**  
**Environmental Health Bureau**  
**Onsite Liquid Waste Photo Inspection Form**



|                 |                                |                     |
|-----------------|--------------------------------|---------------------|
| Applicant Name: | System Address (Street, City): | NMED LW Permit No.: |
|-----------------|--------------------------------|---------------------|

|                       |        |  |
|-----------------------|--------|--|
| * See Guidance Policy | Item # | <input type="checkbox"/> Photo Inspection <input type="checkbox"/> Initial Inspection <input type="checkbox"/> Re-inspection <input type="checkbox"/> Final Inspection <input type="checkbox"/> New<br><input type="checkbox"/> Mod any mod requires effluent filter & access risers installed <input type="checkbox"/> Other: |
|-----------------------|--------|--|

| In | Out | N/A | N/O | Item #    | Description  |
|----|-----|-----|-----|-----------|--|
|    |     |     |     | <b>1.</b> | <b>Building Sewer to Septic Tank 504</b>   |
|    |     |     |     | 1.1.      | Correct size and material: 4" SCH 40, PVC Foam Core or ABS (UPC allows 3" structure stub out, 4" min required for tank inlet & tee) 502E   |
|    |     |     |     | 1.2.      | Cleanouts: Required cleanouts present, Installed correctly, to grade, for each 100 feet or fraction thereof. Installed pursuant to NMPC 504B   |
|    |     |     |     | 1.3.      | Bedding and Slope: Pipe properly bedded on compact or native soil, correct slope 2% min (1/4" per foot), or 1% min (1/8" per foot) where 2% impractical & 4" or larger pipe 504A   |
|    |     |     |     | <b>2.</b> | <b>Septic Tank 501, 502    <input type="checkbox"/> Concrete    <input type="checkbox"/> Plastic / Fiberglass (IAPMO/ANSI Z1000-2013, ASTM C1227-13)</b>   |
|    |     |     |     | 2.1.      | Matches Application: the number, tank size and type match the application Table 201.2,502C   |
|    |     |     |     | 2.2.      | Setback- tank(s) meet(s) all setback requirements including, structures, neighboring wells, water courses, water bodies Table 302.1  |
|    |     |     |     | 2.3.      | Tank Location: Latitude: Longitude: Elevation:<br>Located as per site plan   |
|    |     |     |     | 2.4.      | Onsite Well Location: Latitude: Longitude: Elevation   |
|    |     |     |     | 2.5.      | Offsite Well Location: Latitude: Longitude: Elevation  |
|    |     |     |     | 2.6.      | Labeled: Tank is approved & correctly labeled (Concrete tanks marked with manufacturer's name, New Mexico certification number, year of construction & tank capacity in gallons permanently displayed on the tank above the outlet pipe 501B-4                       |
|    |     |     |     | 2.7.      | Level, Orientation & Cover: Tank level, correctly oriented, does not exceed 3' max cover (unless approved for >3') tank 501J-7,501B-2,501H   |
|    |     |     |     | 2.8.      | Inlet/Outlet pipes: are sealed and watertight; correct size, material, poly-boot installed on outlet, 502E, * Guidance   |
|    |     |     |     | 2.9.      | Inlet/Outlet Baffle or Tee: extends 12" minimum below and 4" above liquid level 502F   |
|    |     |     |     | 2.10.     | Venting: Tank and fittings correctly vented (tank has 2" min back vent opening, 9" min air space above liquid, baffle wall vent area) 502G,502I  |
|    |     |     |     | 2.11.     | Effluent filter: Installed vertical orientation with handle (solid material) extending to within 6" of the riser cover 502H  |
|    |     |     |     | 2.12.     | Manholes: (2) correctly sized 20" min & located above inlet and outlet tee. Tanks over 12' long require a third manhole opening.502D   |
|    |     |     |     | 2.13.     | Risers: at grade, secure lids (58# or fasteners), depth/correct diameter (0-3/24"min; >3/30"min) 501E,502D, watertight sealed to tank 501B10   |
|    |     |     |     | 2.14.     | Concrete Tank Coating: coated with bituminous material to 6" below water line, OR approved material OR Type V Concrete 501J-5  |
|    |     |     |     | 2.15.     | Plastic Tank: Installed per Manufacturer's instructions (instructions available on-site) (marked with manufacturer's name, model number, code or date of manufacture, tank capacity in gallons, max cover, inlet and outlet permanently displayed on the tank) 501I  |
|    |     |     |     | 2.16.     | Water-tightness: test conducted (required for all holding tanks) and determined watertight 203D,501B-5   |
|    |     |     |     | 2.17.     | Flotation Prevention: properly installed for tanks in high groundwater or floodplains 501B7 * Guidance   |
|    |     |     |     | <b>3.</b> | <b>Pumps and Pump Tanks 503 Holding Tanks 808 approved material, concrete, plastic, fiberglass designed &amp; constructed for purpose, meets structural requirements of septic tanks</b>   |
|    |     |     |     | 3.1.      | Type & Size: Pump size and type matches application; designed to pump sewage, or effluent, Single pump up to 1000gpd, dual alternating pumps over 1000gpd 807A-6; sized for intended purpose 503D, holding tank 1000gal min or 4 times design flow whichever greater |
|    |     |     |     | 3.2.      | Water-tightness: test conducted pump tank (at dept discretion), (req'd for holding tanks) determined to be watertight 203D,501B-5,503A   |
|    |     |     |     | 3.3.      | Concrete Tanks: If concrete, coated to protect corrosion or approved additive or Type V Concrete 501J-5,503A Circle: Plastic / Fiberglass  |
|    |     |     |     | 3.4.      | Accessible: Valves, motors, pumps, aerators etc. are accessible for inspection and repair; Access port minimum of 20" 503B   |
|    |     |     |     | 3.5.      | Covers: shall have locking mechanism or if concrete, be min. 58 pounds 501E,503B   |
|    |     |     |     | 3.6.      | Alarms: Equipped with both audible and visible alarms, or remote and visual alarms, for high water & pump failure; conspicuous location; contained in weather-proof structure; All alarm & control circuits are on a separate circuit from pumps 503C                |
|    |     |     |     | 3.7.      | Siphoning/Freezing: Provisions made for the prevention of siphoning back to the pump tank and prevention of freezing 503D * Guidance   |
|    |     |     |     | <b>4.</b> | <b><input type="checkbox"/> Distribution Box    <input type="checkbox"/> Tee    <input type="checkbox"/> Drop Box    701</b>   |
|    |     |     |     | 4.1.      | Installed on a level base in <input type="checkbox"/> natural undisturbed or <input type="checkbox"/> compacted soil or on a <input type="checkbox"/> concrete footing 701H  |
|    |     |     |     | 4.2.      | Distribution Box / Tee min 5' setback from nearest point of disposal field product Table 302.1   |
|    |     |     |     | 4.3.      | Concrete D-Boxes: coated with bituminous coating or other approved material 701H-1   |
|    |     |     |     | 4.4.      | Connections between septic tank and distribution box SDR 35 or better pipe with watertight joints on natural ground or compacted fill or appropriate bedding material.701H-3   |
|    |     |     |     | 4.5.      | Access Riser: provided to ground surface for each distribution box. 701H * Guidance  |

| In   | Out | N/A | N/O                         | 5.    | Convention Disposal System 703 Soil Treatment Area, shall not be: subject to any vehicular traffic, paved over or covered by any material that reduce or inhibit evaporation.   | NMED LW Permit No. |
|--|-----|-----|-----------------------------|-------|---|--------------------|
|  |     |     |                             | 5.1.  | Soil- Soil Type below trench bottom verified, most restrictive layer; AR matches soil type on application; in place natural soil <30% gravel<br>Table 703.1,703E,703I Soil Type <input type="checkbox"/> Type Ia <input type="checkbox"/> Type Ib <input type="checkbox"/> Type II <input type="checkbox"/> Type III <input type="checkbox"/> Type IV |                    |
|  |     |     |                             | 5.2.  | Soil- Smearred Soils Not Present on Trench or Sidewalls, rake 1" deep; Soil not compacted in soil treatment area 701D   |                    |
|  |     |     |                             | 5.3.  | Setback- Correct Clearance to Ground Water or Limiting layer 303B   |                    |
|  |     |     |                             | 5.4.  | Setback- Disposal system meets all setback requirements including neighbor's wells, water courses, water bodies Table 302.1   |                    |
|  |     |     |                             | 5.5.  | Trench-Pipe and Gravel: trench length, width, depth of gravel below pipe, number of trenches & trench spacing matches application 701E,701K   |                    |
|  |     |     |                             | 5.6.  | Trench Dimensions: Linear Feet Total: _____ Width: _____ Depth below pipe: _____ Gravel above pipe: _____   |                    |
|  |     |     |                             | 5.7.  | Trench-Pipe and Gravel: Aggregate ¾" to 2 ½", clean washed rock or crushed gravel 7A-4<br>Aggregate receipt attached for (cubic yards) _____; amount meets or exceeds permitted plan  |                    |
|  |     |     |                             | 5.8.  | Trench-Pipe and Gravel: Correct Pipe: 2-hole 30° to 60° from invert,4" Minimum Diameter, End Caps, 701C,701D,701J   |                    |
|  |     |     |                             | 5.9.  | Trench-Pipe and Gravel: Pipe covered with 2" min aggregate and with Approved Material 701D  |                    |
|  |     |     |                             | 5.10. | Trench-Pipe and Gravel: Pipe Covered with Geotextile Fabric instead of Aggregate 701D   |                    |
|  |     |     |                             | 5.11. | Trench- Chamber- Type, number of units & spacing matches application; meets manufacturers specs 701E; No. of Units _____  |                    |
|  |     |     |                             | 5.12. | Trench-Synthetic Aggregate- Type, number of units, configuration & spacing matches application; meets manufacturers specs 701E  |                    |
|  |     |     |                             | 5.13. | Trench- Other Approved Products- Type, number of units, configuration & spacing matches application; meets manufacturer specs 701E  |                    |
|  |     |     |                             | 5.14. | Inspection Port- Inspection Port(s), Capped SDR35 or better 701F  |                    |
|  |     |     |                             | 5.15. | Stepped Systems: watertight joints on undisturbed ground 701L   |                    |
|  |     |     |                             | 5.16. | Soil Replacement- Type 1b soil required; Replacement soil at least 48" deep below trench bottom 701M  |                    |
|  |     |     |                             | 5.17. | Soil Replacement- Replacement soil at least 24" width around sides and ends of trench 701M  |                    |
|  |     |     |                             | 5.18. | Absorption Bed- at least 6" aggregate below invert of distribution pipe; Up to additional 1 ft of aggregate allowed 701B  |                    |
|  |     |     |                             | 5.19. | Absorption Bed- properly sized bed is 1.5 X AR for conventional trenches; calculate using total bottom and sidewall area below pipe 703K  |                    |
|  |     |     |                             | 5.20. | Seepage Pit- Meets all material, sizing and installation requirements in Section 702 and 703A,703L  |                    |
|  |     |     |                             | 5.21. | Seepage Pit- 6" of Bentonite clay or approved material installed at bottom of pit 702K  |                    |
| In   | Out | N/A | N/O                         | 6.    | Advanced Treatment Systems and Alternative Disposal Systems (ATS/ADS) (NMED Only)   |                    |
|  |     |     |                             | 6.1.  | For any system that includes an ATS and/or an ADS, the ATS/ADS Inspection Form must be completed in addition to this inspection form  |                    |
| <input type="checkbox"/> Continued on attached sheet(s) <input type="checkbox"/> As Built attached (required when deviating from plan) <input type="checkbox"/> Photos attached <input type="checkbox"/> Photos Submitted (electronic) |     |     |                             |       |   |                    |
| <b>Installer Comments</b><br><hr/> <hr/>   |     |     |                             |       |   |                    |
| <i>I certify that this liquid waste system was installed in accordance with the permit approved by NMED, unless otherwise noted in Comments Section above.</i>   |     |     |                             |       |   |                    |
| Installer Printed Name:  |     |     | Installer's Signature:      |       | Date:   |                    |
| <b>NMED Use Only</b>   |     |     |                             |       |   |                    |
| Comments / Conditions:<br><hr/> <hr/>  |     |     |                             |       |   |                    |
| <input type="checkbox"/> Installation Approved <input type="checkbox"/> Installation Not Approved <input type="checkbox"/> Corrective Action Response required <input type="checkbox"/> Re-Inspection required                         |     |     |                             |       |   |                    |
| NMED Inspector Printed Name:   |     |     | NMED Inspector's Signature: |       | Date:   |                    |