



LEGAL ENTITY			MANUFACTURING FACILITY			
please print legibly below						
Name (Legal owner, Inc., LLC, partnership, DBA, full legal name):			Name of Facility / Manufacturer(as it is to appear on tank marking):			
Mailing Address (Invoices, permits, official correspondence):			Manufacturing Location (physical address):			
e-mail			e-mail			
City:	State:	Zip Code:	City:	State:	Zip Code:	
Phone #:	Fax #:		Phone #:	Fax #:		
Owner/Officer/Applicant Name and Title (Print):			Facility / Production Manager (Name and Title (Print):			
Owner/Applicant Signature:		Application Date:	Quality Assurance Manager Signature:			
Alternate Contact Name and Title (Print):		Alt Contact Phone:	Yes / No A copy of the facility quality assurance program is attached:			
Circle Reason for application submittal						
<input type="checkbox"/> NEW SEPTIC TANK \$100 ea	<input type="checkbox"/> NEW GREASE INTERCEPTOR \$100 ea	<input type="checkbox"/> RECERTIFICATION \$100 ea	<input type="checkbox"/> MANUFACTURING FACILITY CHANGE OF ADDRESS	<input type="checkbox"/> MANAGEMENT CHANGE	<input type="checkbox"/> BUSINESS CLOSED	
FOR SEPTIC TANK CERTIFICATION ONLY						
Drawing #	Drawing Date:	PE Name, Lic. # & State	Model # / Name			
Use (Septic, holding, etc):	Burial Depth (maximum feet):	Size (gal liquid capacity): <input type="checkbox"/>	Material:	Pieces (1 or 2):	Load Rating (H10 or H20):	
<input type="checkbox"/> Single Compartment	<input type="checkbox"/> Two Compartment	Tank Length (feet):	<input type="checkbox"/> Low Profile		<input type="checkbox"/> Traffic Rated (circle if yes)	
IAPMO Approval#	<input type="checkbox"/> Meets IAPMO Standards:	Certifying Document (attached): <input type="checkbox"/>	Installation Instructions (attchd): <input type="checkbox"/>	Other Certification:		
Invoice Date	Invoice Amount:	Check Amount:	Date Rec'd:			
Date of Certification	Date next Certification Due:	Review Date/Staff:	Check #			
Date Suspended:	Date Closed:	Cert. Mail Date	Certified Mail #			
Comments or Suspension Basis:						
Correspondence Preference	Invoices		Permits / Certificates / Certifications / Letters			Other (explain):
	<input type="checkbox"/> E-mail	<input type="checkbox"/> Fax	<input type="checkbox"/> Postal Mail	<input type="checkbox"/> E-mail	<input type="checkbox"/> Fax	
NMED APPROVING AUTHORITY:					DATE	

NEW MEXICO ENVIRONMENT DEPARTMENT LIQUID WASTE PROGRAM
SEPTIC TANK CERTIFICATION APPLICATION
SUBMITTAL REQUIREMENTS

April 19, 2016

The items listed below, as appropriate, shall be submitted for all septic tank certification requests. No more than one application (one tank plan) from an individual manufacturer will be considered at one time. Submit one copy for which review is requested. Submissions shall be sent to the Bureau Specialist, NMED Environmental Health Bureau, 2540 Camino Edward Ortiz, Santa Fe, NM 87502-5469, or call 505-476-9125.

Submittals should not include any confidential information. NMED will not be responsible for keeping any information confidential.

Submissions that do not provide the required information specified will be deemed incomplete and returned without further review. Submissions that contain the required information will be reviewed on a first-come, first-serve, basis. Submittals must include, at a minimum:

Tab #	Required Information
1	Application for Septic Tank Certification with completed department checklist.
2	Proof of current International Association of Plumbing and Mechanical Officials (IAPMO) certification. Alternatively, precast concrete tank manufacturers may submit certification by a registered professional engineer that the product meets minimum standards specified in the Liquid Waste Disposal and Treatment Regulations, Sections 20.7.3.501 and 20.7.3.502 NMAC, or that the product meets IAPMO standards with evidentiary documents. Must be referenced in drawing notes or call-outs.
3	Drawings PE Stamped / Signed: Drawings of the product, properly sealed by a registered professional engineer, showing all pertinent dimensions, details and reinforcement. Notes / Call-outs must address all pertinent requirements. All drawings must be identified by drawing number, date, and revision number and cumulative page count.
4	Calculations Sheets PE Stamped/signed: Calculation sheets, structural calculations, certified by a registered professional engineer. Each sheet must be referenced to the applicable drawing by drawing number, date, revision number, and cumulative page count (header / footer).
5	Specifications for Components; All applicable material specifications and certificates of conformance
	Portland Cement Spec ASTM C150 certificate of conformance , Type identified II or IV,
	Concrete supplier mix sheet, identified mix number to correlate with cement spec, air entrainment admixtures, water cementitious ratio 0.45 maximum (ASTM C1227).
	Concrete strength identified on mix sheet and correlates to plan
	Internal Tank Coating material (approved or bituminous) product data sheet or certificate of conformance
	Admixture(s) ASTM specs / certificate of conformance, data sheets provided, manufacturing procedures detailed to show that admixture is properly used IAW admixture labeled instructions:

		Seam Sealant product data sheet and ASTM C990 certificate of conformance
		I/O watertight pipe to tank connection fitting material specification ASTM C1644 certificate of conformance
		Reinforcement Steel, re-bar grade 40/60 and wire mesh, both material specs. IAPMO certification requires certificate of conformance
6	Installation Instructions Provided	
		Watertight riser installation instructions provided, riser manufacturer specs to show cover 300psf
		Excavation and backfill IAW NMAC
7	Other documents	
		Concrete strength test report from pervious production batch must be within the past year
		Tank Markings drawing provided. Must be NMAC or IAPMO compliant (should be demonstrated on drawing but may be addressed with attached document). Detail location, how letters are imprinted, letter sizing and other issues as necessitated.

Manufacturer:			Tank Size (gal):			Tank ID# / Model		
NMAC	501	SEPTIC TANK DESIGN; GENERAL	Material:			Inspector Name:		Date of Review:
Sequence	Ref	Item	IC	NC	N/A	Comments		
	501A	Plans and calculation sheet stamped by PE. No penned changes, errors or omissions.						
	501A	Plans show all dimensions and reinforcement						
	501A	Installation Instructions provided (highly recommended)						
	501B1	Designed and constructed to withstand all reasonable lateral earth pressures under saturated soil conditions with the tank empty (statement in notes)						
	501B2	Supports a minimum live load at the surface of 300 pounds per square foot with 3 feet of cover unless heavier loads are expected; (statement in notes)						
	501B4	Manufacturer's name, New Mexico registration number, year of construction and tank capacity in gallons permanently displayed on the tank above the outlet pipe; drawings must depict location, notes must detail letter sizing and method or permanent marking						
	501B5	Watertight, tanks tested at some interval						
	501B9 502K 501I	IAPMO approved; or meet IAPMO minimum standards as demonstrated; certificate or letter attached for fiberglass or reinforced plastic tank, numbers match with drawing(s).						
	501B10	access risers attached to treatment unit with a watertight or water resistant seal as demonstrated within installation instructions (highly recommended)						
	501C,D	Constructed of one of the following (1) precast reinforced concrete; (2) poured-in-place concrete (3) fiberglass; (4) polyethylene (5) other written approved materials, Metal, wooden, concrete block and homeowner built tanks are prohibited						

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NMAC	501	SEPTIC TANK DESIGN; GENERAL	Material:			Inspector Name:		Date of Review:
Sequence	Ref	Item	IC	NC	N/A	Comments		
	501E	Secure lid (1) padlock; (2) twist lock cover requiring special tools for removal; (3) covers weighing 58 pounds or more, net weight; (4) hinge and hasp mechanism stainless steel or other corrosion resistant fasteners to fasten the hinge and hasp to the lid and tank for fiberglass, metal or plastic lids; or (5) other approved mechanisms						
	501F	PE designed for traffic loading H2O as clearly stated on plans						
	502E 501G	(Specs attached) The inlet and outlet pipe openings have a watertight seal approved by the department. resilient connector certified to meet or exceed ASTM Standard ASTM C1644-06(2011) C923-08(2103)e1 on the outlet connection of the tank specs attached						
	501H	Structurally designed to withstand all anticipated earth or other loads; soil PCF stated in calculations						
	501H	Septic tank covers capable of supporting an earth load of not less than 300psf at maximum fill coverage not exceeding 3ft (statement in notes)						
	501H	Access riser covers shall be capable of supporting a live load of not less than 300psf (statement in notes)						
	501I	Fiberglass or reinforced plastic septic tanks certified to IAPMO standards (501B9)						
	501J1a	Concrete walls: 2 ½ inches thick min.						
	501J1b	Concrete floors: 3 inches thick min.						
	501J1c	Concrete covers: 3 inches thick min.						
	501J2	Floors are an integral part of the tank. Floors and walls must be continuous without joint or seam						
	501J3	Sections; tongue and groove joints or keyways used and sealed with an approved watertight sealer(specs attached), joint detail on plans ASTM C990-09(2014)						

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Sequence	Ref	Item	IC	NC	N/A	Comments		
	501J5	Concrete tanks Type II (except type V) coated internally to at least 6 inches below liquid level with approved bituminous coating (specs attached) or other acceptable means. The coating shall cover all exposed concrete.						
	501J6a	Latest Test report showing concrete compression strength a min. of 3500 psi @ 28 days, density 140 PCF; (PE must state on plan)						
	501J6b	Supplier specs attached for Portland cement type II or V per the latest version ASTM specifications ; (ASTM C150 -15 , Standard Specification for Portland Cement)						
	501J6c	Supplier specs attached for all admixtures per the latest version of ASTM specifications						
	501J6d	Supplier specs attached reinforcing per the latest version of ASTM specifications for steel bars, grade 40/60 or equivalent. ASTM A615-15ae1 Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement						
	501J7	Installation instructions call for tank to be installed level on undisturbed or compacted soil, ¼ to ¾ inch pea gravel or sand." PE must state on plan						

Manufacturer:			Tank Size (gal):			Tank ID# / Model		
NMAC	502	SEPTIC TANK DESIGN; CONSTRUCTION	Material:			Inspector Name:		Date of Review:
Sequence	Ref	Item	IC	NC	N/A	Comments		
	502A	Tank liquid capacity is greater than or equal to the rated capacity or volume in gallons. Liquid capacity and rated capacity are stated on drawing or calculation sheet.						
	502B	Inlet compartment at least 3 feet in width and 5 feet in length						
	502B	Inlet compartment Liquid depth is 2 ½ feet to 6 feet						
	502B	Inlet compartment is 2/3 and second compartment is 1/3 of the liquid capacity						
	502B	Second compartment for tanks over 1500 gal not less than 3 feet length						
	502D	At least 2 Access openings, one over the inlet and another over the outlet						
	502D	Additional (third) access over the baffle wall whenever first compartment exceeds 12 feet length						
	502D	Inlet access opening at least 20 inches minimum dimension.						
	502D	Outlet access opening at least 20 inches minimum dimension.						
	502D	Installation instructions demonstrate each access opening extended to the surface with secure lid.						
	502D	Installation instructions demonstrate access risers 24 inches in diameter at depth up to 3 feet						
	502D	Demonstrate access risers 30 inches in diameter at depths greater than 3 feet (highly recommended as part of installation instructions)						
	502D	Demonstrate Precast concrete access risers with an approved coating, "Wet-or-dry" coatings and mastics, or other water-based materials are not acceptable. (highly recommended as part of installation instructions)						

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Sequence	Ref	Item	IC	NC	N/A	Comments		
	502D	Installation instructions demonstrate plastic premanufactured risers, culvert or double wall high density polyethylene or equivalent plastic with proper covers or lids. <i>Rain barrels, trash cans, 55-gallon drums or other inappropriate materials are not acceptable.</i>						
	502E	The vertical leg of round inlet and outlet fittings shall not be less in size than the connecting sewer pipe nor less than 4 inches.						
	502E	The inlet and outlet pipe openings have a baffle type fitting (tee) with the equivalent cross-sectional area of the connecting sewer pipe and not less than a 4 inch horizontal dimension measured at the inlet and outlet pipe inverts, unless it is a pumped system.						
	502F	Inlet, outlet pipe, baffle extend at least 4 inches above and at least 12 inches below liquid level.						
	502F	Inlet pipe invert not less than 2 inches above the outlet pipe invert.						
	502F	Inlet and outlet pipe or baffles, a minimum, schedule 40 PVC, ABS or cast-in-place concrete. Should be noted on plans and installation instructions						
	502G	Inlet and outlet pipe fittings or baffles have free vent area equal to the required cross-sectional area of the building sewer.						
	502G	Baffles and compartment partitions have free vent area equal to the required cross-sectional area of the building sewer.						
	502H	Installation instructions and drawings demonstrate an approved effluent filter, on the outlet, with an access riser to grade, and a handle extending to within 6 inches riser top.						
	502I	Air Space(AS, free vent area): Sidewalls (except cylindrical tanks), extend at least 9 inches above liquid level.						
	502I	Inlet and outlet back vent openings (IBV, OBV); cover at least 2 inches above each back vent openings.						

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Sequence	Ref	Item	IC	NC	N/A	Comments		
	502J	Partitions or baffles between compartments extend at least 4 inches above liquid level and made of solid, non-corrosive, durable material. Metal or wooden baffles are prohibited.						
	502J1	Baffle fitting made of an inverted fitting (90°F, elbow) equivalent in size to the tank inlet, but in no case less than 4 inches installed in the inlet compartment side.						
	502J1	Baffle fitting bottom placed midway in liquid level (50%).						
	502J2	Horizontal slot baffle opening extends the width of the tank, no more than 6 inches in height and located midway (50%) in liquid level.						
	502K1	Fiberglass, reinforced plastic tanks, each access and inspection hole cover has approved fasteners						
	502K1	Fiberglass, reinforced plastic tanks, covers overlap manhole by a minimum of 2 inches in all directions.						
<u>Meets NMAC</u>		Comments:				<u>Does Not Meet NMAC</u>		
<u>Name and Title (printed):</u>			Signature:			Date:		
<u>Inspector Name & Title (printed)</u>			Inspector Signature:			Date:		