New Public Water Systems Transient Non-Community Public Water System (TNC PWS)

To aid you in submitting a complete application to the Bureau of Safe Drinking Water (BSDW), here is a brief summary of the information and data requirements that comprise the public water system permitting process. Please keep in mind that this summary, while reasonably complete, may not necessarily enumerate every requirement contained in NAC 445A, "Public Water Systems Design, Construction, Operation and Maintenance". You are encouraged to review this and other regulations to personally ascertain applicable sections.

The process of securing a permit to operate a transient non-community public water system in Nevada is three fold:

- 1. Design and construction of facilities and components of the water system must be in accordance with State requirements, detailed in NAC 445A "Public Water Systems Design, Construction, Operation and Maintenance".
- 2. Water quality must conform to drinking water standards, per NAC 445A "Public Water Systems Water Quality".
- 3. The water system owner must submit the following plans:
 - a) cross-connection control (backflow) per NAC 445A.67185
 - b) emergency per NAC 445A.66665
 - c) operation and maintenance per NAC445A.6667.

Any existing water system components of an un-permitted water system are not "grandfathered" or exempted from design and construction regulations. A Nevada professional engineer must provide BSDW with plans and specifications of sufficient detail to determine whether or not any "as-built" facilities are adequate. This also applies to well construction, should the well already be fitted with a pump and discharge piping.

Information related to the policies and procedures of the water system, as well as budgetary and financial plans, must also be submitted for review and approval prior to permitting.

Among additional information required is the following:

<u>Design Report</u>

- a) Provide a design report that describes the proposed water system, the basis of design, criteria for supply and demand, etc.
- b) Provide a network hydraulic analysis of the water system, which serves to size water system components and ensures that performance standards are met.

Source Water

- a) Provide evidence of water rights of acceptable amount and character.
- b) Provide a well log of any existing wells intended for use to verify the presence or absence of a sanitary seal and to depict casing information. Note that existing facilities are not "grandfathered".
- c) Provide well construction details, drawn as part of the plans, including wellhead piping and equipping details (venting, well-to-waste, valves, piping, sampling tap, access tube, air relief, etc.). Verify that well casing is at least 18 inches above grade or not subject to flooding.

d) Maintain well separation criteria from sources of pollution or contamination. Provide detail suitable for inclusion in the "Source Water Assessment Program".

<u>Storage</u>

Provide plans and specifications for any new storage tank that address the requirements of NAC 445A.67065 through 445A.67095 inclusive. Provide calculations used to size tank overflow. Provide lockable access hatch and cage, hand rails, correct sized screening on vents, angled flapper or air gap on discharge and overflow lines, silt stop, sampling tap, staff gauge, 30-inch man ways, NSF approved coating, etc. Specify VOC and total coliform sampling per NAC. Specify telemetry system and controls to monitor, alarm, and regulate storage.

Specify additional design criteria for any new tank:

- a) seismic zone
- b) snow loading
- c) wind loading and exposure
- d) soils report

After conceptual approval of any storage facilities by BSDW, please provide this office with professionally engineered calculations for the tank structure and foundation when they become available after bid award.

Water Treatment

Are provisions for chlorination proposed? If so, provide design information. An emergency eyewash station would be required, per OSHA. Propose appropriate treatment for any constituents that don't meet State Drinking Water Standards. Submit plans and specifications.

Pump Station

Provide a design of any pumping facilities/pump house, which complies with NAC 445A.66965 through NAC 445A.6706 inclusive. Provide details of pumping facilities/pump house in plan and profile, which depict components, dimensions, and placement. Provide architectural and structural details of pump house per NAC 445A.66985. Provide an electrical plan. Provide a slab reinforcing detail.

Distribution System

Provide required isolation valves. Provide plan and profile of water lines. Provide for air releases as required. Maintain required water line/sewer line separations, including those for laterals. Provide a separation standard detail. Specify angle fittings to accomplish pipe bends, rather than bending the pipe beyond the manufacturer's approved bending radius. Provide standard details of corp stops and curb stops or meter stops on the service lines. Include backflow prevention, as appropriate. Be sure to isolate process, fire and irrigation water from potable water. The distribution system is to be looped, if possible.

Disinfection and Testing

Specify disinfection of distribution lines per AWWA Standard C-651 and pressure testing per AWWA Standard C-605.

<u>Water Quality</u>

Data will need to be provided from the source. Required water quality sampling data are summarized as follows: Secondary Drinking Water Standards, Nitrate, Nitrite, Nitrate + Nitrite, Total Coliform and Fecal Coliform/E. Coli. Water quality samples may be composited by a certified laboratory.

Water Well Location

Plot on a map all potential sources of pollution or contamination within 150 feet of the well.

A copy of "REGULATIONS FOR PUBLIC WATER SYSTEMS" NAC 445A.450 TO 445A.6731 may be downloaded from <u>http://www.leg.state.nv.us/NAC/NAC-445A.html</u>.

Please call Brendon Grant at 775-687-9524 or email bgrant@ndep.nv.gov for additional information.

Attachments: Application for Approval of a Water Project

Potential Contamination Sources State Certified Methodologies

POTENTIAL CONTAMINATION SOURCES (* Denotes GPS location required)

Agricultural	Contaminant Category	Risk Ranking Category		Medical/Educational	Contaminant Category	Risk Ranking Category
Animal burial areas	C, D	High	28	Educational institutions (labs, lawns, &	B, C	Moderate
Animal feedlots	B, C, D	High, in Zone A; otherwise moderate		chemical storage areas)		
Chemical application (e.g. pesticides, fungicides, & fertilizers)	С, В	High	29	Medical institutions (medical dental, vet offices)	D, E	Low
Chemical mixing & storage areas (including rural airports)	A, B, C	High	30 *	Research laboratories	A, B, C, D, E	High
Irrigated fields Irrigation ditches	B C	Moderate High		Storage		
Manure spreading & pits	A. C	Moderate	31 *	Aboveground storage tanks	A. B	Hiah
Unsealed irrigation wells	A, B, C, D	High	32 *	Underground storage tanks	Â	High
5		Ū	33	Public storage	А	Low
Industrial			34 *	Radioactive materials storage	E	High
Chemical manufacturers,	A, B, C	High		5		0
Warehousing/distribution activities		Ū		Municipal waste		
Electroplaters & fabricators	С	High	35 *	Dumps and landfills (historical/active)	A, B, C, D, E	High
Electrical products &	С	High	36	Municipal incinerators	B, C, D	Moderate
manufacturing	٨	1.121-	07 *	Description Question for differen	0	L Pl.
Machine & metalworking shops	A	High	3/ "	Recycling & reduction facilities		High
Detroloum products production	А, Б, С	nign Lliab	30 20 *	Scrap & junkyarus		⊓ign Lliab
Storage & distribution centers	A	Figh	39	treatment plants, injection wells	A, B, C, D	nigh
-			40 *	Sewer Transfer Stations	A, B, C, D	High
Commercial				Miscellaneous		
Dry cleaning establishments	A	High	41 *	Airports	A	High
Furniture & wood stripper &	A	High	42 *	Asphalt plants	A	High
Refinishers			43	Boat yards	A	High
Jewelry & Metal plating	С	High	44	Cemeteries	D	Moderate
Laundromats	С	Low	45	Construction areas	A	Moderate
Paint shops	A	High	46 *	Dry wells	A, D	High
Photography establishments &	С	High	47 *	Fuel storage systems	А	High
Printers			48	Golf courses, parks & nurseries (chemical application)	B, C	High
Automotive			49	Mining (surface & underground)	A, C	High
Auto repair shops	A, C	High	50	Pipelines (oil, gas, coal slurry)	A	High
Car washes	A, C, D	Moderate	51 *	Railroad tracks, yards & maintenance	A, B, C, D	High
Gas stations	A, C	High	52	Surface water impoundments,	D	High
Road deicing operations: storage	Ċ	Moderate		streams/ditches		Ū
Application areas (e.g. road salt)			53 *	Stormwater drains & retention basins	A, B, C, D, E	High
Road maintenance depots	A. C	Hiah	54 *	Unplugged abandoned well	A. B. C. D	High
	, -	5	55 *	Well: operating	A. B. C. D	High→I ow
Residential			56	Other – please specify	1 1 - 1	
Household hazardous products	A.B.C	Moderate	00			
Private wells	A. B. C. D	Moderate				
Septic systems, cesspools	B, C, D	High, if Zone A; otherwise				
taminant Categories:	A = V.C B = S.C C = I.O	moderate).C.).C. .C.				
	Agricultural Animal burial areas Animal feedlots Chemical application (e.g. pesticides, fungicides, & fertilizers) Chemical mixing & storage areas (including rural airports) Irrigated fields Irrigation ditches Manure spreading & pits Unsealed irrigation wells Industrial Chemical manufacturers, Warehousing/distribution activities Electroplaters & fabricators Electroplaters & fabricators Electrola products production, Storage & distribution centers Nanufacturing sites Petroleum products production, Storage & distribution centers Manufacturing sites Petroleum products production, Storage & distribution centers Nanufacturing sites Petroleum products products & Chemera Autorepain shops Cas washes Gas tations Road deicing operations: storage & Application areas (e.g. road salt) Rousehold hazardous products Private wells Septic systems, cesspools	AgriculturalContaminant CategoryAnimal burial areasC, DAnimal feedlotsB, C, DAnimal feedlotsB, C, DChemical application (e.g. pesticides, fungicides, & fertilizers) Chemical mixing & storage areas (including rural airports) Irrigated fieldsC, BIrrigation ditchesBIrrigation ditchesA, B, CUnsealed irrigation wellsA, B, C, DIndustrial Chemical manufacturers, Warehousing/distribution activities Electroplaters & fabricators Electroplaters & fabricators Electroplaters & fabricators A, B, CDry cleaning establishments Furniture & wood stripper & A anufacturing Storage & distribution centersADry cleaning establishments Furniture & wood stripper & A anufactors Electrogathers & CCDry cleaning establishments Furniture & wood stripper & AAPetroleum products production, Storage & distribution centersCLaundromats Paint shopsA, CAutomotive AA, C, DAdd deicing operations: storage & AA, C, CCar washes Gas stations Road deicing operations: storage & AA, C, CResidential Household hazardous products Private wells Septic systems, cesspoolsA = V.CB = S.C C = I.OCC = I.OC	AgriculturalContaminant CategoryRisk Ranking CategoryAnimal burial areasC, DHighAnimal feedlotsB, C, DHigh, in Zone A; otherwise moderateChemical application (e.g. pesticides, fungicides, & fertilizers) Chemical mixing & storage areas (including rural airports) Irrigated fieldsBModerate HighIndustrial Chemical manufacturers, Warehousing/distribution activities Electroplaters & fabricatorsA, B, C, DHigh HighChemical manufacturers, Warehousing/distribution activities Electroplaters & fabricatorsA, B, CHigh HighCommercial Petroleum products production, Storage & distribution centersA, B, CHigh HighDry cleaning establishments Furniture & wood stripper & Refinishers Jewelry & Metal plating LaundromatsAHigh CAutomotive Application areas (e.g. road sait) Road deicing operations: storage & Application areas (e.g. road sait) Road maintenance depotsA, B, C, D High, If Zone A; otherate B, C, Dtaminant Categories: <td>AgriculturalContaminant CategoryRisk Ranking CategoryAnimal burial areasC, DHigh28Animal feedlotsB, C, DHigh, in Zone A; otherwise moderate29Animal feedlotsB, C, DHigh, in Zone A; otherwise moderate29Chemical application (e.g. presticides, fungicides, & fertilizers) (Including rural airports) Irrigation dichesC, BHigh29Nanure spreading & pits Unsealed irrigation wellsA, B, CHigh30 *11Unsealed irrigation wellsA, B, CModerate High31 *Chemical manufacturers, Warehousing/distribution activities Electrical products & Manufacturing Machine & metalworking shops Manufacturing sitesA, B, CHigh37 *Manufacturing Manufacturing Machine & metalworking shops Manufacturing Storage & distribution centersAHigh37 *Petroleum products production, Storage & distribution centersAHigh41 *Petroleum products production, Storage & distribution centersAHigh42 *Photography establishments Paint shopsACHigh42 *ACLow4550 *AACLow51 *Que or pains hops AA, CHigh47 *PrintersACLow51 *ACLow51 *56Manufacturing CarwashesA, CHigh45 *Photography establishments Road maintenance depots<</td> <td>AgriculturalContaminant CategoryRisk Parking CategoryMedical/EducationalAnimal burial areasC, DHigh Strage28Educational institutions (labs, lawns, a chemical storage areas)Animal feedlotsB, C, DHigh Zone A: cotherwise moderate28Educational institutions (labs, lawns, a chemical storage areas)Chemical application(e.g. Chemical mixing & storage areas)C, BHigh Storage29Medical institutions (medical dental, vet offices)Chemical mixing & storage areas (including rural arports)A, B, CHigh C30°Research laboratoriesIndustrial Chemical mixilacturers, Manure spreading & pits anaufacturing Manufacturing Manufacturing Manufacturing Manufacturing Manufacturing Storage & fabricators CHigh C30°Research laboratoriesDry cleaning establishments Fundure & wood stripper & Refinishers Jevelpy & Metal plating Laundromatis CA, B, CHigh Storage & fabricatorsMunicipal vasteDry cleaning establishments Part shops C AAHigh High37°Recycling & reduction facilities Storag & junkyardsDry cleaning establishments Part shopsACHigh High41°Asphat plants Gor construction areas Gor construction areas ADry cleaning establishments & CAHigh High44°Construction areas Gor construction areas Gor construction areas Gor construction areas ACDry cleaning establishments & CAHigh High47°<</br></br></br></br></br></br></br></br></br></br></br></td> <td>Agricultural Contaminant Category Category Risk Ramking Category Category Medical/Educational Contaminant Category Animal buriel areas C, D High, in Correction offerwise Zare A; otherwise Educational institutions (tabs, lawns, a chemical storage areas) B, C Chemical application (equipations, fungciation (equipations) B, C, D High, in Corrections Medical institutions (medical dental, vet offices) D, E Chemical application (rigitation diches (industing rural signority) (inseated ingenority) (inseated ingenority) (insea</td>	AgriculturalContaminant CategoryRisk Ranking CategoryAnimal burial areasC, DHigh28Animal feedlotsB, C, DHigh, in Zone A; otherwise moderate29Animal feedlotsB, C, DHigh, in Zone A; otherwise moderate29Chemical application (e.g. presticides, fungicides, & fertilizers) (Including rural airports) Irrigation dichesC, BHigh29Nanure spreading & pits Unsealed irrigation wellsA, B, CHigh30 *11Unsealed irrigation wellsA, B, CModerate High31 *Chemical manufacturers, Warehousing/distribution activities Electrical products & Manufacturing Machine & metalworking shops Manufacturing sitesA, B, CHigh37 *Manufacturing Manufacturing Machine & metalworking shops Manufacturing Storage & distribution centersAHigh37 *Petroleum products production, Storage & distribution centersAHigh41 *Petroleum products production, Storage & distribution centersAHigh42 *Photography establishments Paint shopsACHigh42 *ACLow4550 *AACLow51 *Que or pains hops AA, CHigh47 *PrintersACLow51 *ACLow51 *56Manufacturing CarwashesA, CHigh45 *Photography establishments Road maintenance depots<	AgriculturalContaminant CategoryRisk Parking CategoryMedical/EducationalAnimal burial areasC, DHigh Strage28Educational institutions (labs, lawns, a chemical storage areas)Animal feedlotsB, C, DHigh Zone A: cotherwise moderate28Educational institutions (labs, lawns, a chemical storage areas)Chemical application(e.g. 	Agricultural Contaminant Category Category Risk Ramking Category Category Medical/Educational Contaminant Category Animal buriel areas C, D High, in Correction offerwise Zare A; otherwise Educational institutions (tabs, lawns, a chemical storage areas) B, C Chemical application (equipations, fungciation (equipations) B, C, D High, in Corrections Medical institutions (medical dental, vet offices) D, E Chemical application (rigitation diches (industing rural signority) (inseated ingenority) (inseated ingenority) (insea

= MICROBIOLOGICAL E = RADIONUCLIDES

July 26, 2000

	SECONDARY DRINKING WATER STANDARDS NAC 445A.455			
		Contaminant	Method	MCL (mg/L) parts per million
(1)	1002	ALUMINUM	200.7, 200.8, 200.9, 3111D, 3113B, 3120B	0.2
(2)	1017	CHLORIDE	300.0, 4110B, 4500-Cl ⁻ B/D, D4327-97, D512-89B	400.0
(3)	1905	COLOR	2120B	15.0 (color units)
(4)	1022	COPPER	200.7, 200.8, 200.9, 3111B, 3113B, 3120B, D1688-95A/C	1.0
(5)	1025	FLUORIDE	300.0, 4110B, 380-75WE, D4327-97, D1179-93B, 29-71W, 4500-F ⁻ B/C/D/E	2.0
(6)	1089	FOAMING AGENTS (MBAS)	5540C	0.5
(7)	1028	IRON	200.7, 200.9, 3111B, 3113B, 3120B	0.6
(8)	1031	MAGNESIUM	200.7, 3111B, 3120B D511-93 A/B, 3500-Mg B/E	150.0
(9)	1032	MANGANESE	200.7, 200.8, 200.9, 3111B, 3113B, 3120B	0.1
(10)	1920	ODOR	2150B	3.0 (TON)
(11)	1925	рН	150.1, 150.2, 4500-H⁺-B, D1293- 95	6.5 – 8.5
(12)	1050	SILVER	200.7, 200.8, 200.9, 3111B, 3113B, 3120B, I-3720-85	0.10
(13)	1055	SULFATE	300.0, 375.2, D4327-97, 4110B, D516-90, 4500-SO ₄ ²⁻ C/E/F	500.0
(14)	1930	TOTAL DISSOLVED SOLIDS (TDS)	2540C	1,000.00
(15)	1095	ZINC	200.7, 200.8, 3111B, 3120B	5.0

REGULATED INORGANIC CHEMICALS (IOCs) 40 CFR 141.62 (b)				
		PHASE II		
	Contaminant	Method	MCL (mg/L) parts per million	MCL (µg/L) parts per billion
(7) 1040	0 NITRATE	300.0, 353.2, 4110B, 601, B-1011, 4500-NO ₃ ⁻ D/E/F, D3867-90A/B, D4327-97	10 (as N)	
(8) 104	1 NITRITE	300.0, 353.2, D4327-97, D3867-90A/B, 4110B, 4500-NO ₃ ⁻ /E/F, B-1011, 4500-NO ₂ ⁻ B	1 (as N)	
(9) 1038	8 TOTAL NITRATE + NITRITE	See above	10 (as N)	



APPLICATION FOR APPROVAL OF WATER PROJECT

Return to: Bureau of Safe Drinking Water, Carson City Location 901 South Stewart Street, Suite 4001, Carson City, NV 89701, Phone: 775-687-9521, Fax: 775-687-5699

PWS Name:	PWS Administrative Contact Name (NV DWW):
PWS Number:	PWS Project Manager Name:
PWS Address:	PWS Project Manager Phone Number:
	PWS Project Manager Email:
Section 2	
Design Engineer Name:	Engineering Firm:
Engineer Email:	Engineer Phone #:
Engineer Address:	Engineer Emergency Phone(s) #:
Section 3 Is this project being submitted by the PWS? [The water system is aware of this project and	Yes No approves its submittal to BSDW.
PWS Project Manager Name (Print)	PWS Project Manager Signature Date
Section 4	J
Are two copies of properly stamped plans and	d specifications submitted with this application? Yes No
Section 5 (For new water systems, see page 5)	
Is the appropriate review fee attached? \Box Y	res 🗌 No
(Fee schedule located at <u>https://ndep.nv.gov/w</u>	vater/drinking-water/engineering-reviews/fees)
Section 6 Source of project funding (i.e., SPE, USDA)	CDBG Private etc.)
Source of project funding (i.e., SKI, OSDA,	
Section 7 Project Name:	
Section 8 Brief Description and	
Purpose of the Project:	
Section 9	
Estimated Construction Begin Date:	Date Application Received by BSDV
Estimated Construction Completion Date:	
Section 10 Is this project part of a proposed subdivision?	? 🗌 No 🗍 Yes
Section 11 Which County is the proposed project located	1 in?
Section 12 Data the Application is submitted to PSDW/2	

Complete the following with assistance from the public water system.						
Section 13 Public Water System Type: PWS Ownership Type:	Community Public	□NTNC □Private	TNC Homeown	ner Federa	I 🗌 GID	Other:
Section 14 (Contact the PWS for this in	formation)	Samias Connos	tions	Number of Me	torad Conna	ational
Fopulation Served.		Service Connec	uons.	INUITION OF INE	tered Conne	ctions.
Section 15 Are any of the above parameters If yes, describe the changes:	changing due t	o this project?	∐Yes ∏N	0		
Section 16						
Is a <u>flow diagram</u> from the source through treatment to the distribution system provided? Yes No NA						
Section 17						
EXISTING PUBLIC WATER SYSTEMS						
Is the proposed project an expansion or modification of an existing water system?					1	
Is the proposed project to re-activate a public water system?						
Is this project for a water system	Is this project for a water system that is regulated by the PUC?)	

Is this proposed project for a seasonal water system?

Is the water system being consolidated with another water system?

☐Yes ☐No ☐Yes ☐No

CHECK ALL THAT APPLY TO THIS PROJECT.

Section 18

Please refer to the following NAC 445A sections for specific regulatory requirements regarding public water system design and operation. Verify that all components are addressed and meet the minimum requirements of NAC 445A.

Public Water Systems

Water Quality	
(NAC 445A.450 to .492)	Operation Community or Non-transient Water System
Surface Water Treatment	(<u>NAC 445A.591 to .5926</u>)
(<u>NAC 445A.495 to .540</u>)	Permits to Operate Privately Owned Systems
Groundwater Treatment	(<u>NAC 445A.595 to .614</u>)
(NAC 445A.54022 to .5405)	Certification of Operators
PER-Groundwater Treatment	(<u>NAC 445A.617 to .652</u>)
(NAC 445A.54026)	

Design, Construction, Operation & Maintenance

Emergency Response Plan	Springs (See Sections 19-21, 28)
(<u>NAC 445A.66665</u>)	(NAC 445A.66935 to .6696)
Cross-Connection Control Plan	Pumping Facilities (See Sections 25, 28)
(<u>NAC 445A.67185</u>)	(<u>NAC 445A.66965 to .6706</u>)
O & M Manual	Storage Structures (See Section 23, 28)
(<u>NAC 445A.6667</u>)	(NAC 445A.67065 to .67095)
New Facility–Capacity	Distribution System (See Section 24, 28)
(See Sections 19-27)	(<u>NAC 445A.67105 to .67145</u>)
(<u>NAC 445A.6672 to .66755</u>)	Separation of Lines
Treatment Facilities (See Section 26, 28)	(NAC 445A.6715 to .6718 $)$
(<u>NAC 445A.6676 to .66815</u>)	Cross-Connections and Backflow
Disinfection (See Section 27-28)	(NAC 445A.67185 to .67255)
(<u>NAC 445A.66825 to .6685</u>)	Water Hauling (See Section 31)
Water Wells (See Sections 19-22, 28)	(NAC 445A.67275 to .6731)
(NAC 445A.66855 to .6693)	·/

NEW PROJECT INFORMATION ONLY

Only include information related to the new project below.

Do not provide existing water system information unless it is pertinent to the new project. Leave sections that do not apply to the new project blank (or type "N/A").

IF THE BOXES ARE NOT APPROPRIATELY FILLED OUT, THE APPLICATION WILL BE SENT BACK.

Section 19

Source Type:Groundwater wellYesNoGroundwaterSurface Water IntakeYesNoSpPurchased WaterYesNoPrSource(s) master metered?YesNo	coundwater SpringYesNooring UDIYesNoovided water rights?YesNo
Section 20	
Source Location: Meets flood plain requirements? Are all sources of potential pollution identified? Are there any sources of contamination within 150 feet?	□Yes □No □Yes □No □Yes □No
Section 21 Source Water Quality: Meets all NAC requirements? Requires treatment to meet requirements?]Yes No TBD]Yes No TBD
Well Characteristics: (NAC 445A.66855 to .6693)	
Casing Depth (ft.):	Pump Type:
Casing Diameter (in):	Max. Production (GPM):
Sanitary Seal Depth (ft):	Source Design Capacity (GPM):
Emergency Power Provided? Yes No	Average Daily Demand (GPM):
Describe Emergency Power:	Emergency Source Capacity (GPM):
Section 23	
Storage Characteristics: (NAC 445A.67065 to .67095)	
Storage tank type and material:	
Tank capacity (gallons):	
Storage tank coating material	

Section 24

Transmission/Distribution System Characteristics: (NAC 445A.67105 to .67145) (NAC 445A.67185 to .67255) Approved pipe material type:

Distribution main size(s):

Linear feet of pipe:

Distribution system pressure range(s):

The number of pressure zones:

Fire Flow: Provide documentation of fire flow requirements from the appropriate fire authority.

- 1. For Carson City, Clark County, and Washoe County contact the local fire authority.
- 2. For all other counties, contact the State Fire Marshal's office or the local fire authority that has an interlocal agreement with the State Fire Marshal.

Hydrant (GPM) =	Sprinkler System (GPM) =
-----------------	--------------------------

Can the new main be sampled for coliform bacteria after disinfection every 1200 feet per AWWA Standard C651 requirements? Yes No If no, explain:

Section 25

Pump Stations: (NAC 445A.66965 to .6706) and (NAC 445A.67105 to .67145)

Pump Type:	Number of pumps:
Max. Production (GPM):	Source Design Capacity (GPM):
Describe Emergency Power:	

Section 26

Treatment: (NAC 445A.6676 to .66815)

Contaminant(s) that require treatment:			
Treating Groundwater Treating Surfac	Treating Surface Water		
Unit Processes & Associated Chemical Addition:			
Flow Rate (GPD):	Flow Rate (GPM):		
Design Capacity (GPD):			
A schematic of the treatment system is required. Is it attached?			
Describe the Process Flow from source to treatment to distribution:			

Section 27

Disinfection for system residual only: (<u>NAC 445A.66825 to .6685</u>)

Type of disinfectant used:	
NSF-approved chemicals used? Yes No	
Does the system use continuous automatic disinfection?	Yes No
Where are the disinfection systems located?	
Where are the chemicals stored?	

Section 28

<u>SCADA/Telemetry:</u> (Wells, Pumping, Storage, Distribution, and Treatment) (New or Replacement)

			-	
Does the public water system utilize SCADA/Telemetry?	Yes	No		
Which facilities are part of the SCADA/Telemetry system?				

Section 29

Inter-Tie: (Distribution)

<u></u> (=)			
PWS ID of other system:	Anticipated date of inter-tie:		
Reason for inter-tie (check all that apply): Normal Operation	tions Intermittent	Seasonal	Emergency
Other, explain:			
Flow is: one-way; Discuss direction and % of flow:			
two-way; Discuss direction and % of flow:			
Is the inter-tie part of a regional water system?	No If Yes, explain:		

Section 30

Consolidation:

Name of other system:	Anticipated date of consolidation:
Supplier of water:	

Section 31

Water Hauling: (NAC 445A.67275 to .6731)

A water hauling plan is required. Is it attached? Yes
Is this for an existing water hauler? Yes No
If yes, please provide the water hauler permit number(s):
Public water system hauling from:
Public water system hauling to:

NEW PUBLIC WATER SYSTEMS

(An overview of the requirements to becoming a public water system can be found at <u>New Water Systems NDEP (nv.gov)</u>)
Section 32 Is the proposed project a new public water system? Yes No
If yes, check type: Community Non-Transient Non-Community Transient Non-Community (No Fees are required)
Section 33 Is this project to permit a privately owned community system? Yes No (Fee of \$500 is required)
Section 34 Plan to Operate a Community or Non-transient Non-Community Water System must also submit the
following: Two (2) sets of documents and a PDF version are required.
Plan to Operate a Community or Non-transient Non-Community Water System (See link below include with submission)
Emergency Response Plan (ERP) Manual (draft version accentable)
Cross-Connection Control Plan (CCCP)Manual (draft version acceptable)
Operations and Maintenance Manual (O&M) (draft version accentable)
Link below to fill out the form:
OPERATION OF A COMMUNITY OR NONTRANSIENT NONCOMMUNITY WATER SYSTEM UNDER NEVADA ADMINISTRATIVE CODE, CHAPTER
<u>445A (nv.gov)</u>
Section 35
Application to Permit a Privately Owned Community Public Water System must also submit the
following: Two (2) sets of documents and a PDF version are required w/ \$500 review fee
Annligation to Permit a Privately Owned Community Water System (See link below)
Emergenery Bespense Dien Menuel (EPD) (dreft version accontable)
Cross Connection Control Dian Manual (CCCD) (draft version acceptable)
$\Box \text{(cost-connection control Finit Manual (CCCF) (draft version acceptable)}$
Link below to fill out the form:
Application to Permit a Privately Owned Community Public Water System 20220102.pdf (nv.gov)
Section 20
New Transient Nen Community Public Water System must also submit the following:
Two (2) gots of documents and a DDE varian are required
Two (2) sets of documents and a PDF version are required.
Emergency Response Plan Manual (ERP) (draft version acceptable)
Cross-Connection Control Plan Manual (CCCP) (draft version acceptable)
Dependions and Maintenance Manual (O&M) (draft version acceptable)
Forms [NDEP (nv.gov)
Section 37
Program to assess the vulnerability of source water to potential contamination for the reduction in water
quality monitoring. NAC 445A.6668 (Optional):

Does the document contain sufficient information to issue monitoring waivers? Yes No

Are all of the potential contaminant sources within 3000 feet of the well/spring located on a 1:24,000 U.S.G.S. Quad Map (7.5-minute map)? Yes No