NEBRASKA
Good Life. Great Resources.
DEPT. OF WATER, ENERGY, AND ENVIRONMENT

Title 178 NAC 2

New Swimming Pool Data and Check Sheet

Please fill out a separate check sheet for each pool

Name of Pool:			
Address of Pool:	Street:		
	City:	State: NE	Zip:
Telephone:		Email:	

Owner of Pool:			
Address of Owner:	Street:		
	City:	State:	Zip:
Telephone:		Email:	

Name of Engineering/Architectural Firm:			
Address:	Street:		
	City:	State:	Zip:
Telephone:		Email:	
Engineer's/Architect's Seal and Signature:			

Estimated Pool Cost:	$
Initial Review Fee [$100.00 + 0.5% of Estimated Pool Cost (Maximum $7600.00)]:	$
Estimated Start Date of Construction:	

Pool Type			
☐ Indoor		☐ Outdoor	
Type of Pool (Check One):			
☐ Standard Swimming Pool	☐ Spa	☐ Zero Depth Pool	☐ Wave Pool
☐ Spray Park	☐ Wading Pool	☐ Diving Pool	☐ Other

Variance: If a variance is being requested, please fill out the Variance Request Form.

Plans and Specifications 2-003			
Yes	**No**	**N/A**	
☐	☐	☐	Three sets of plans and specifications submitted?
☐	☐	☐	Will 2 copies of the operation and maintenance manual be provided?

Design Standards 2-005
Patron Loading 005.02
Shallow Area (5 ft or less): ft² 15 ft²/patron = patrons
Deep Area (5 ft or greater): ft² 25 ft²/patron = patrons
Total Patron Load Based on Swimming Pool: patrons

Construction Material 005.03			
Yes	**No**	**N/A**	
☐	☐	☐	Material inert, stable, non-toxic, watertight, slip resistant and enduring? Material:
☐	☐	☐	Finish: white or light color? What is the color of the pool?

Structural Stability 005.04			
Yes	**No**	**N/A**	
☐	☐	☐	Are swimming pools, spas and appurtenances (slides, platforms, main drains, etc.) constructed to withstand anticipated loading?

Decks 005.07			
Yes	**No**	**N/A**	
☐	☐	☐	Is the deck unobstructed 5 feet around the pool? What is the slope? in/ft Deck Drainage to: Grade Indirect Drains
☐	☐	☐	Will at least 1 hose bib with a backflow preventer be provided?
☐	☐	☐	Will 1 drinking fountain be provided? (Class A ONLY)

Barriers 005.08			
Yes	**No**	**N/A**	
☐	☐	☐	Is the pool completely surrounded by a barrier not less than 6 feet high?
☐	☐	☐	Is there a self-closing/latching gate with a latching mechanism at 48 inches or is there another means of controlling access?
☐	☐	☐	Is the barrier such that a 4-inch sphere cannot pass through?

Lighting, Electrical and Ventilation Requirements 005.09			
Yes	**No**	**N/A**	
☐	☐	☐	Is the pool intended for nighttime use?
☐	☐	☐	Are 3 foot candles of lighting provided for overhead lighting?
☐	☐	☐	Is ½ watt per square foot of lighting provided for underwater lighting?
☐	☐	☐	Are underwater requirements waived due to 15 foot candles of illumination provided at the water surface?
☐	☐	☐	Does electrical conform to the State Electrical Act?
☐	☐	☐	Is ventilation provided per the appropriate regulating agency?

Water Supply and Waste Water Disposal 005.10			
Yes	**No**	**N/A**	
			What is the water source for the pool? If available, must be from a PWS. ☐ Municipal Supply ☐ Individual Well ☐ Other
☐	☐	☐	Is the water source protected against backflow and back siphonage? How is it protected? ☐ Air Gap ☐ RPZ ☐ Other
			Where does the filter backwash go?
☐	☐		Is an air gap provided?
			What is the size of the air gap? inches
			Where does the pool drain to? Location:
			Where does the bathhouse waste discharge to? ☐ Municipal Sewer System ☐ Septic Tank System
☐	☐	☐	Are the recirculation system and deck drains protected against backflow?
☐	☐	☐	Does the heating, dehumidification or cooling system connected to the pool recirculation system only contain non-toxic heat transfer media?

Recirculation System 005.11			
Yes	**No**	**N/A**	
☐	☐	☐	Does each pool have a separate recirculation system?
☐	☐	☐	Are all components certified to ANSI/NSF Standard 50 including the pump?
☐	☐	☐	Will all exposed piping and valves be clearly marked to indicate function and use?

Overflow System 005.11(G)			
Yes	**No**	**N/A**	
☐	☐	☐	Will an overflow gutter system be used?
☐	☐	☐	Will drop boxes, converters, return piping or flumes used to convey water from the gutter be designed to handle at least 125% of the recirculation rate?
☐	☐	☐	Will the gutters be level within a tolerance of plus or minus 1/8 inch?

Skimmers 005.11G(ii)			
Number:			Make:
Model Number:			Skimmer Pipe Size:
Yes	**No**	**N/A**	
☐	☐	☐	Are skimmers ANSI/NSF 50 certified?
☐	☐	☐	Do skimmers have weirs that adjust automatically and operate freely and continuously with variations of at least 4 inches in water level?
☐	☐	☐	Are skimmers designed to handle 100% of the pool turnover?
☐	☐	☐	Is each skimmer equipped with a device to control flow?

Main Drain System Outlet 005.11(H)			
Number (2 minimum or a single unblockable):		Make:	Model Number:
Size:		Pipe Size:	
Effective open area of each main drain: sq. in.			
Yes	**No**	**N/A**	
☐	☐	☐	Are openings of field fabricated grates not over ½ inch (13 mm) wide?
☐	☐	☐	Are the gratings or drain covers not removable without the use of tools?
☐	☐	☐	Is main drain equipped with a valve?
☐	☐	☐	Will the drain cover and installation meet the requirements of ASME/ANSI A112.19.8-2007 or -2008 or any other standard approved under the VGB Act?

Pump Data 005.11(J)						
	Number Installed	**Spare Basket(s)**	**Make**	**Model**	**Capacity (gpm)**	**HP**
Swimming Pool						
Wading Pool						
Slide						
Other						

Yes	**No**	**N/A**	
☐	☐	☐	Will pumps and motors be readily accessible for inspection and service?
☐	☐	☐	Are pumps self-priming or have a net positive suction head?

	Swimming Pool	**Wading Pool**	**Zero Depth Pool**	**Other**
Volume	gal.	gal.	gal.	gal.
Surface Area	sq. ft.	sq. ft.	sq. ft.	sq. ft.
Perimeter (feet)	ft.	ft.	ft.	ft.
Filtered Return Water Flow Rate	gpm	gpm	gpm	gpm
Turnover Times	hrs.	hrs.	hrs.	hrs.

Flow Measurement and Control 005.11(K)			
Yes	**No**	**N/A**	
☐	☐	☐	Is the flow meter measured in gpm, capable of measurement of at least 1.5 times the recirculation rate, and accurate to 10% of the actual flow rate?
☐	☐	☐	Is the flow meter installed in a straight pipe upstream and downstream of any fitting, and such that it is accessible for reading and maintenance?

Inlets 005.11(L) (Check all that apply)			
☐ Wall Inlets - Number of Wall Inlets:			☐ Floor Inlets - Number of Floor Inlets:
Yes	**No**	**N/A**	
☐	☐	☐	Are inlets located at least 12 inches below water level or not less than 6 inches if designed for downward flow?
☐	☐	☐	Are inlet fittings of the adjustable rate-of-flow type, are directional flow with skimmer type pools, not projecting from the floor (floor inlets), and do not extend from the wall more than 2 inches (wall inlets)?

Filtration 005.12					
	Sand	**D.E.**	**Cartridge**	**Other**
Pressure				
Vacuum				
Gravity				
Maximum Capacity gpm/ft^2				
Effective Surface Area ft^2				
Manufacturer				
Model				
Other				

Yes	**No**	**N/A**	
☐	☐	☐	Will filters be installed with adequate clearance and facilities for easy and safe inspection, maintenance, disassembly, and repair?

Sand Filters 005.12(A) (Check One)

☐ Rapid Sand Filter ☐ High-Rate Sand Filter ☐ Backwash rate gpm/ft^2

Yes	**No**	**N/A**	
☐	☐	☐	Is the filter NSF approved?
☐	☐	☐	Are the following included? ☐ Influent Pressure Gauge ☐ Effluent Pressure Gauge or Differential Pressure Gauge ☐ Backwash Site Glass ☐ Air Relief Valve
☐	☐	☐	Is valving, piping setup for isolation, drainage, and backwashing for individual filters?

Disinfection and Chemical Application Equipment 005.13(B)

Yes	**No**	**N/A**	
☐	☐	☐	Is the Sanitizer NSF approved?

Manufacturer:	Model #:
Chemical Used:	Type of Sanitizer Equipment:
☐ Chlorine ☐ lbs/day or ☐ gals/day	☐ Liquid NaOCI
☐ Bromine ☐ lbs/day	☐ Erosion Feeder
☐ Other (specify)	☐ % Chlorine/Bromine

Yes	**No**	**N/A**	
☐	☐	☐	Does feeder have anti-siphon safeguards and will disinfectant not feed when recirculation water is not flowing?
☐	☐	☐	Can the feeder supply disinfectant at a rate of 0.1 pound per day chlorine (or equivalent) per gallon per minute of recirculation flow? This equates to 8 parts per million.
Fill in with calculated rate			Maximum concentration of disinfectant in the recirculation stream = ppm.
☐	☐	☐	If hypochlorinators are used, will the feed be capable of being continuous under all conditions of pressure in the recirculation system?
☐	☐	☐	Will a test kit be provided that will be able to test applicable parameters indicated in 178 NAC 2 005.13(B)(v)?

Safety Requirements 007.01

Yes	**No**	**N/A**	
☐	☐	☐	Will the depth markings be 4 inches high on the deck and vertical wall, and be no more than 25 feet intervals with a contrasting color to the background?
☐	☐	☐	Class A, B, and F pools must have a boundary line per 178 NAC 2-002.03.
☐	☐	☐	Will a rescue tube/tow rope, and backboard be provided? (Class A)
☐	☐	☐	Will a shepherd's crook, rescue tube/ring buoy be provided (rope at least as long as the pool width? (Class B and F)
☐	☐	☐	Will a state approved first aid kit be provided?

Safety Requirements 007.01 (continued)			
Yes	**No**	**N/A**	
☐	☐	☐	Will a telephone with emergency numbers be provided in the pool enclosure?
☐	☐	☐	Will chemical storage containers be labeled?
☐	☐	☐	"Authorized Personnel Only" sign on door/rooms where chemicals used or stored?
☐	☐	☐	Carbon monoxide detector provided?
☐	☐	☐	Will a "No Lifeguard" sign be provided at Class B,C, D, E, and F
☐	☐	☐	Will the pool sign have the exact language required in 178 NAC 2-009.02(B)
☐	☐	☐	Will the spa sign have the exact language required in 178 NAC 2-009.02(C)

Lifeguard Chairs 009.01	
Water Surface Area: ft^2	Minimum number of chairs:

Bathhouse 005.14 (Class A Pools ONLY, if applicable)			
Yes	**No**	**N/A**	
☐	☐	☐	Does the bathhouse have a smooth finish, slip resistant, impervious to moisture, easily cleanable and sloped ¼ inch to the drains and no carpet?
☐	☐	☐	Will showers supply water at 1.5 gals/min?
☐	☐	☐	Will showers and sinks supply water at least 90° Fahrenheit (32° C) and no more than 115° Fahrenheit (45° C)?
☐	☐	☐	Is a hose bib with a backflow device located for use in the entire bathhouse?
☐	☐	☐	Minimum facilities (toilets and sinks) in Class B, C, D, E, F pools?

Miscellaneous 005.14			
Yes	**No**	**N/A**	
☐	☐	☐	Will a system be provided to remove dirt and other foreign material from the bottom of the pool?
☐	☐	☐	Will boilers meet the Boilers Inspection Act?

Diving Boards 005.04(F) (Indicate Number)			
Deck Level:	1 Meter:	3 Meter:	Other:
2/3 Meter:	3/4 Meter:		

Slides 005.23		
Height of slide exit above water: feet		
Slide pump capacity: gpm		
Number of Suction Outlets:	Make:	Model:
Effective open area of each suction outlet:		