This checklist is provided to facilitate Department plan review of pools, spas and other water features (pools) as required in the Administrative Rules of Montana (ARM) 37.115.308. In addition to this form the following is needed for a complete application:

ALL PLANS MUST BE STAMPED BY A MECHANICAL/STRUCTURAL ENGINEER LICENSED IN THE STATE OF MONTANA

[ ] One vicinity drawing noting pool in relation to surrounding area and facilities.
[ ] Both plan and cross sectional views of the pool. Cross sectional views should provide information on the radius of curvature of the pool at shallow, breakpoint and deep ends of the pool.
[ ] Detailed view of the equipment room and equipment within it noting sufficient room is provided to access equipment for proper operation and maintenance, also note location of equipment room drains.
[ ] Dimensional drawings of pool bottom and sidewalls.
[ ] Specification sheets for proposed equipment. INCLUDE NSF CERTIFICATION ON CHLORINATORS, PUMPS, and FILTERS.
[ ] Piping schematic showing piping, pipe size, inlets, main drains, overflow channel or skimmers, vacuum fittings and all other appurtenances connected to the pool piping system.
[ ] Details on barrier construction ARM 37.115 Subchapter 6
[ ] Details on decking dimensions noting slope direction and location of deck drains.
[ ] Other details as listed in this checklist.
[ ] Plan review fee as outlined in ARM 37.115.311 (including pre-opening inspection fees) (appendix 2)

UPON RECEIPT OF A COMPLETE APPLICATION THE REVIEW SHOULD BE COMPLETED WITHIN 30 DAYS, IF ALL QUESTIONS HAVE BEEN ADDRESSED. APPROVAL IS VALID FOR 12 MONTHS.

April 6, 2012
GENERAL INFORMATION

Name of facility ________________________________________________________________

Location (city, county) __________________________________________________________

Owner’s name _________________________________________________________________

Owner’s address __________________________________________________________________

City______________________ St________ Zip ________ Phone __________________________

email: _________________________________________________________________________

Pool contractor’s name __________________________________________________________

Address _________________________________________________________________________

City______________________ St________ Zip ________ Phone __________________________

email: _________________________________________________________________________

Design Engineer/Architect name __________________________________________________

Address _________________________________________________________________________

City______________________ St________ Zip ________ Phone __________________________

email: _________________________________________________________________________

Plans stamped by a professional ENGINEER who is registered in the state of Montana? Yes _____ No _____

Pool [ ]; Spa [ ]; Other [ ]; New pool [ ]; Modification [ ]; Addition [ ]; Outdoor [ ]; Indoor [ ]

Briefly describe the project (e.g.: public pool, motel, therapy pool, etc.)
________________________________________________________________________________

Name of person completing this form: (please print)

__________________________________________________________

Signature ________________________________ Date _________________________

Who should receive the correspondence regarding this plan review: (check all that apply and add contact
information if not provided above — name, full address, phone number, email)

____ Owner ____ Contractor ____ Engineer / Architect ____ Other ________________________________

April 6, 2012
SPECIFIC SWIMMING POOL DESIGN CHARACTERISTICS

Pool shape: Rectangular [ ] Oval [ ] Kidney [ ] Other _____________________________;
Pool dimensions: Length_______; Width_______; Pool Depth range: shallow_______, deep ______;
Pool surface area ____________ ft.²;  Area < 5 ft. deep _______ ft.²;  Area > 5 ft. deep ____________ ft.²;
Pool volume ____________gallons. ;  Bather Load is _________ people.
Name of public water supply serving this pool facility __________________________ Use well water [ ].
Pool surface construction material: Painted concrete [ ];Plaster[ ];Fiberglass[ ];Tile[ ];Painted Metal[ ];
Stainless Steel [ ] Other [ ] (please specify)_________________________; Pool color (must be light color)__________.

Pool bottom slope: ARM 37.115.506
Slope of pool bottom from: minimum to 5 ft. depth _____ (1:12 max.); 5 ft. to maximum _____ (1:3 max.).

Decks: ARM 37.115.517 ▶ 519
Minimum width of deck ____________ ft. (4 ft. min., at least 50% of spa perimeter must be 4 ft.);
Pool deck construction material ____________; Type of non-slip finish provided: ________________;
Is slope of deck drainage noted on plans? ______; Rate of slope _______/ ft. (1/4 in./ft. to 1/2 in./ft.);
Are deck drains and specifications noted on plans? __________.

Barriers: _ARM 37.115 Subchapter 6_
Are barriers provided? _____If no barriers are provided how is pool access controlled in periods of non-use?
_____________________________; Minimum barrier height ________________ (feet, inches);
Is gate or door designed to be self-closing, self-latching and open outwards?__________________________;
Are gates or doors lockable for periods of non-use?__________; Height to latch is _______ inches.

Stair specifications: ARM 37.115.703
Are all steps; easily cleanable, impervious, and corrosion resistant? _____; sloped to drain? ________;
equipped with slip-resistant treads? ______; width of treads _____in. (minimum 10 in.); leading edge
contrasting color with the color of the steps and pool floor? _____ (one inch wide, entire width: NOTE: also
required on leading edges of all underwater benches); Height of stair risers _____in. ( must be uniform and
between 7 in. and 12 in., bottom riser height can vary to meet pool floor); noted on plans?_____

Handrails: ARM 37.115.707
Are handrail and ladder specifications accurately noted on plans? _______ (include spec. sheets)
Do handrails on stairs extend from the pool coping and within 18 in. of last step riser? ______

Diving boards; ARM 37.115 Subchapter 8
Does the facility have a diving board?_______; Make and Model ______________________ (include spec. sheet)
Height of board above water ______________; Length of Board ______________; Depth of diving well ______

April 6, 2012
Pool facilities; ARM 37.115 Subchapter 9
Is there adequate facilities (dressing rooms, toilets, showers) for your projected bather load? _______
Is the location of the baby changing table noted on the plans? _______

Turnover rate; ARM 37.115.1002
Pump is; above [ ] below [ ] pool water level; How many feet? _______ Piping is schedule 40 [ ] 80 [ ]
Are piping sized noted on plans?_____; Total Dynamic Head (TDH) _______________ft. (include pump curve and spec. sheet with plans); turnover rate does not exceed maximum indicated in table 5 ____________

SHOW CALCULATIONS HERE:

Pump; ARM 37.115.1005
Strainer provided before pump? _______; Does pump have self-priming capability if above pool? ______
Does pump have shut off valves before and after the pump if it is below pool level? _______

Inlets; ARM 37.115.1006
Inlet location noted on plans? ____; Number of inlets ____; flow capacity of each inlet ____ gpm; are there inlets within 5 ft. of every corner? ____; inlets no more than 15 ft. apart ____; Inlets no closer than 5 ft. from skimmers ____; auto fill inlets noted on plans ____.

Outlets; ARM 37.115.1007
Are a minimum of two main drains noted on plans? ____ (minimum of 3 ft. apart); main drain covers are VGBPSSA approved ____ (include spec. sheets); water velocity through drain does not exceed 1.5 fps. ____;
Gutter [ ] Skimmer [ ] flow rate ____ gpm (include spec. sheets); Surge tank ____ (if yes, note on plans);
equalizer lines noted on plans ______ (include spec. sheets)

Filtration equipment Arm 37.115.1011
Type; DE [ ] sand [ ] cartridge [ ]; surface area _____ft²; filter media rate _____ gpm/ft²;
NSF approved ____; flow meter noted on plans ____; influent & effluent pressure gauges noted on plans ____; sight glass on back wash line ____.

Disinfectant and chemical feeders ARM 37.115.1016
Type of sanitizer is; Chlorine [ ] Bromine [ ] Other [ ]; specify type __________________; ORP [ ]; type of chemical feeding equipment ____________________ (must be NSF approved; include spec. sheets)

Equipment room ARM 37.115.1021
Floor drain noted on plans ____; secured from unapproved access ____; active ventilation ____.

April 6, 2012
An inadvertent failure of the Department to reject a specification that does not meet the requirements of these rules does not excuse the licensee or license applicant from its duty to meet the standards set herein.

- Completed Plan Review Checklist
- Plan review fee as outlined in ARM 37.115.311
- Detailed plans (plan view, cross sections, vicinity, equipment room)
- Detailed piping schematic (configuration, pipe sizes, valves, inlets, outlets)
- Details of how make up water will be added, and source
- Details on how backwash water will be disposed to waste
- Detailed plans of bathhouse and other sanitary facilities
- Details on barrier construction
- Cross section of stair details and handrails
- Cross section of main drain
- Estimated bather load of all pools, spas and other water features
- Specification sheets for all required equipment
- Specifications for pool and deck materials
- Specifications on slopes of pool bottom and decking
- Specification sheets for suction outlets (VGBPSSA compliance)
- Calculations for surface area
- Calculations for volume
- Calculations for turnover rate
- Calculations for flow rate
- Calculations for total dynamic head
- Calculations on pump curve
- Other details specifically requested by the Department
### ARM 37.115.311 FEE TABLE

<table>
<thead>
<tr>
<th>Type</th>
<th>Design Volume</th>
<th>Plan Review Fees</th>
<th>Pre-opening Inspections and Interim Visit Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pool, Spa, Wading Pool, Spray Attraction, Lazy River, Others</td>
<td>Less than 4,000 gallons</td>
<td>$200</td>
<td>$60</td>
</tr>
<tr>
<td>Pool, Spa, Wading Pool, Spray Attraction, Lazy River, Others</td>
<td>4,000 – 9,999 gallons</td>
<td>$400</td>
<td>$80</td>
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<tr>
<td>Pool, Spa, Wading Pool, Spray Attraction, Lazy River, Others</td>
<td>10,000 gallons or more</td>
<td>$600</td>
<td>$100</td>
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<tr>
<td>Review Fees for a Substantial Modification to Existing Filtration or Disinfection systems</td>
<td></td>
<td>$75</td>
<td></td>
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