

**APPLICATION FOR A PERMIT TO CONSTRUCT A WATER WELL  
IN THE LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT**

**DNR & NRD USE ONLY**

Permit No. \_\_\_\_\_ Date Approved/Denied \_\_\_\_\_ NRD Representative \_\_\_\_\_  
 Permit Type: New, Replacement or Late Date Received \_\_\_\_\_ Paid: Cash or Check \_\_\_\_\_  
 Date Post-inspected \_\_\_\_\_ Registration No. \_\_\_\_\_ Updated Form: May 2008

**ALL APPLICANTS SEEKING A WATER WELL PERMIT MUST COMPLETE PAGES 1 AND 2, AND THE APPROPRIATE SECTION BASED ON THE PURPOSE OF THE WELL. (CLASS 1 – 4 WELL PERMIT)**  
**WATER WELL PERMITS FOR IRRIGATED ACRES GREATER THAN 160 ACRES IN SIZE OR TOTAL ANNUAL WATER USE BETWEEN 150 AND 300 ACRE FEET PER YEAR MUST COMPLETE PAGES 1, 2, AND 3, AND THE APPROPRIATE SECTION BASED ON THE PURPOSE OF THE WELL. (CLASS 3 WELL PERMIT)**  
**WATER WELL PERMITS FOR TOTAL ANNUAL WATER USE EQUAL TO OR GREATER THAN 300 ACRE FEET PER YEAR, REGARDLESS OF NUMBER OF IRRIGATION ACRES, MUST COMPLETE PAGES 1, 2, AND 4, AND THE APPROPRIATE SECTION BASED ON THE PURPOSE OF THE WELL. (CLASS 4 WELL PERMIT)**

**1. NAME AND ADDRESS OF APPLICANT:**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Home Phone: (\_\_\_\_) - \_\_\_\_\_ - \_\_\_\_\_  
 Cell Phone: (\_\_\_\_) - \_\_\_\_\_ - \_\_\_\_\_  
 Landowner Name: \_\_\_\_\_  
 (if other than applicant)

**2. PURPOSE OF NEW WATER WELL (indicate one):**

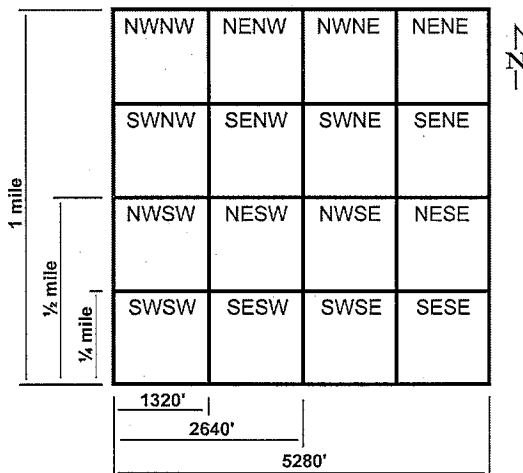
- Irrigation (Complete section A)                       Dewatering (Over 30 days, Complete section B)  
 Livestock (Complete section C)                       Domestic (Irr. on one acre or larger, Complete section D)  
 Industrial (Complete section E)                       Public Water Supply (Complete section F)  
 Recovery or Remediation (Complete section G)  
 Other (specify) \_\_\_\_\_ (Complete section H)

**3. IDENTIFY LOCATION OF PROPOSED WELL:**

A. \_\_\_\_\_ County, \_\_\_\_\_ ¼ of the \_\_\_\_\_ ¼ of  
 Section \_\_\_\_\_, Township \_\_\_\_\_ North, Range \_\_\_\_\_  
 East/West. (circle one)

B. The box at the right represents one square mile, (section).  
 Indicate with an "X", the proposed location of the well.  
 Outline the proposed water use area. If the water is to be  
 used outside the above written legal description, give legal  
 description of water use area,  
 \_\_\_\_\_ ¼ of the \_\_\_\_\_ ¼ of Section \_\_\_\_\_,  
 Township \_\_\_\_\_ North, Range \_\_\_\_\_ East/West.

C. The well will be located \_\_\_\_\_ feet from the  
 North/South section line, and will be \_\_\_\_\_ feet from  
 the East/West section line. Or enter Lat. / Long.  
 Latitude Degree \_\_\_\_\_ Minute \_\_\_\_\_ Second \_\_\_\_\_  
 Longitude Degree \_\_\_\_\_ Minute \_\_\_\_\_ Second \_\_\_\_\_



**4. REPLACEMENT AND ABANDONED WELL INFORMATION:**

- A. Is this a replacement well?  Yes,  No                      If yes, fill out the rest of this section.  
 B. Registration number of well to be replaced: \_\_\_\_\_  
 C. Well to be replaced was last operated (month/year): \_\_\_\_\_  
 D. Replacement well is \_\_\_\_\_ feet from original well.  
 E. Decommissioning of Original well on (month/day/year): \_\_\_\_\_  
 F. If water use is for irrigation, list the number of acres watered by the original well: \_\_\_\_\_  
 G. If water use is for irrigation, will replacement well, water the same tract of land as the decommissioned well?  
 Yes,  No: If No, list the number of additional acres \_\_\_\_\_ and legal description \_\_\_\_\_ ¼ of the  
 \_\_\_\_\_ ¼ of Section \_\_\_\_\_, Township \_\_\_\_\_ North, Range \_\_\_\_\_ East/West. (circle one)

- A replacement water well must deliver water to the same tract of land as the original water well, pump from a comparable aquifer, and yield approximately the same gallons per minute and total annual water use as the original water well.

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**5. SPECIFICATIONS OF INTENDED WELL AND PUMP:**

- A. Approximate date when construction will begin (month/day/year): \_\_\_\_\_
- B. Expected total well depth: \_\_\_\_\_ feet.
- C. Well Casing Diameter: \_\_\_\_\_ inches.
- D. Pump Column Diameter: \_\_\_\_\_ inches.
- E. Estimated pumping capacity: \_\_\_\_\_ GPM.
- F. Expected total annual water use in Acre Inches / Year \_\_\_\_\_ or Total Gallons / Year \_\_\_\_\_
- G. The system is to be powered by  Electric  Fuel
- H. Will the well be used in a system with other wells?  Yes,  No. If Yes, How many \_\_\_\_\_  
List well registration number and legal description of each well in Section 6 below.
- I. Name of Well Driller: \_\_\_\_\_ (Please attach test hole log, if available.)

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**6. List additional information requested in this Section or attached additional sheet.**

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**7. Addition information and requirements for Lower Platte North NRD review.**

- Attach current tax assessor records including map, parcel number, and current land use such as irrigated acres.
- Attach aerial photo showing location of water source(s) and area water or reuse water is to be used.
- All new and replacement water wells must install a District approved flow meter and report water pumped annually to the LPNNRD by January 31<sup>st</sup> of the following year.
- Water well permit conditions maybe required for approval by the Lower Platte North NRD for each individual well.

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**8. I certify that I am familiar with the information contained in this application, and it's restrictions, rules and regulations and that to the best of my knowledge and belief such information is true, complete and accurate.**

Date \_\_\_\_\_ Signature of Applicant \_\_\_\_\_  
 Signature of Well System Operator, if different than Applicant \_\_\_\_\_  
 NRD Certification Number of Landowner or Operator \_\_\_\_\_ (Required for irrigation, livestock, domestic (with irrigation on one acre or more of land), industrial, and public water supply wells.)

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**9. Lower Platte North NRD Use Only. Comments by District Representative.**

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REQUESTED ON PAGES 1, 2, AND 3. (CLASS 3 WELL PERMIT)**

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**10. WATER SOURCE INFORMATION:**

In a TWO-mile radius around the water source location, provide the following information to the LPNNRD in both paper copy and electronically in Excel Spreadsheet (Microsoft) or Access Database (Microsoft) format.

- A. List of all registered wells in this area giving registration number, well identification number, legal description, latitude / longitude or UTM coordinates in NAD 83, elevation in feet above mean sea level, and well log for each well.
  - B. List of all test holes in the area that have been published by Conservation and Survey Division of the University of Nebraska.
  - C. List of all surface water rights in this area giving appropriation number, priority date, legal description, use, status, current total acres (if applicable), and grant amount.
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**11. WATER USE LOCATION INFORMATION:**

In the location where the water will be used, provide the following information to the LPNNRD in both paper copy and electronically in Word (Microsoft) format.

- A. Description of expanded water use including: latitude / longitude or UTM coordinates in NAD 83 of water use location and timeframe or schedule when water will be used.
  - B. Amount of water that will be reused or recycled at this new location.
  - C. Description of how water will be used at this new location, i.e. process water vs. cooling water, etc. and estimated total annual water use for each purpose.
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**WATER WELL PERMIT FOR TOTAL ANNUAL WATER USE EQUAL TO OR GREATER THAN 300 ACRE FEET PER YEAR, REGARDLESS OF NUMBER OF IRRIGATED ACRES, PROVIDE INFORMATION REQUESTED ON PAGES 1, 2, AND 4. (CLASS 4 WELL PERMIT)**

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**12. WATER SOURCE INFORMATION:**

In a FIVE-mile radius around the water source location, provide the following information to the LPNNRD in both paper copy and electronically in Excel Spreadsheet (Microsoft) or Access Database (Microsoft) format.

- A. List of all registered wells in this area giving registration number, well identification number, legal description, elevation in feet above mean sea level, latitude / longitude or UTM coordinates in NAD 83, and well log for each well.
  - B. List of all test holes in the area that have been published by Conservation and Survey Division of the University of Nebraska.
  - C. List of all surface water rights in this area giving appropriation number, priority date, legal description, use, status, current total acres (if applicable), and grant amount.
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**13. WATER USE LOCATION INFORMATION:**

In the location where the water will be used, provide the following information to the LPNNRD in both paper copy and electronically in Word (Microsoft) format.

- A. Description of expanded water use including: latitude / longitude or UTM coordinates in NAD 83 of water use location and timeframe or schedule when water will be used.
  - B. Amount of water that will be reused or recycled at this new location.
  - C. Description of how water will be used at this new location, i.e. process water vs. cooling water, etc. and estimated total annual water use for each purpose.
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**14. AQUIFER PUMP TEST:**

In the location of the proposed water source a District approved aquifer pump test is to be performed to obtain geologic data that will be used in the ensuing ground water modeling effort. Data from the pump test is to be reported to the LPNNRD in both paper copy and electronically in Excel Spreadsheet (Microsoft) or Access Database (Microsoft) format.

- A. Description of pumping well should include legal description of well, latitude / longitude or UTM coordinates in NAD 83, elevation of well in feet above mean sea level, total amount of water pumped, gallons per minute during pump test, duration of pump test, well construction, well log, water discharge location and method.
  - B. Description of each monitoring well should include legal description of well, latitude / longitude or UTM coordinates in NAD 83, spacing in feet and direction from pumping well, elevation of well in feet above mean sea level, well log, and well construction.
  - C. Depth to bedrock, bedrock material, and name of geologic formation.
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**15. GROUNDWATER MODEL:**

In a FIVE-mile radius of the location of the proposed water source a ground water model using MODFLOW software, or similar software approved by LPNNRD, is to be done. Data from the ground water model is to be reported to the LPNNRD in both paper copy and electronically using the appropriate software.

- A. Model should list boundary conditions used, grid size, include all high capacity wells in modeled area, streams and rivers in the modeled area, expected recharge rates, location and flow amounts, hydrologic conductivity and transmissivity values used.
  - B. At least one iteration, reviewed and approved by LPNNRD, should model steady state conditions over a five-year period with a no flow boundary, and little or no recharge to simulate drought conditions.
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**PURPOSE OF WELL**

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**IRRIGATION WELLS (SECTION A)**

- A. How many acres will be irrigated? \_\_\_\_\_ acres
- B. Crops to be planted: \_\_\_\_\_ Crop rotation schedule \_\_\_\_\_
- C. Type of irrigation system.  Center Pivot,  Gravity,  Other (specify) \_\_\_\_\_
- D. The irrigation system is to be powered by  Electric  Fuel
- E. Expected total annual consumptive water use in Acre Inches / Year \_\_\_\_\_ or  
Total Gallons / Year \_\_\_\_\_
- F. Will Fertilizer, Chemicals or Animal waste be applied through the system?  Yes,  No

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**DEWATERING WELLS OVER 30 DAYS (SECTION B)**

- A. Purpose of dewatering well, such as installation of building foundation, etc. \_\_\_\_\_
- B. Expected total number of days the dewatering well will be in use \_\_\_\_\_
- C. Approximate dates (month/day/year) in operation: Start \_\_\_\_\_ End \_\_\_\_\_
- D. Legal description of water discharge location: \_\_\_\_\_ ¼ of the \_\_\_\_\_ ¼ of Section \_\_\_\_\_, Township \_\_\_\_\_ North, Range \_\_\_\_\_ East/West and name of river, stream or water body \_\_\_\_\_
- E. Will discharge water be used for another purpose, such as livestock, irrigation, etc.?  Yes,  No  
If Yes, list purpose, location and expected total amount of water use in acre-inches / year or total gallons / year.  
\_\_\_\_\_  
\_\_\_\_\_

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**LIVESTOCK WELLS (SECTION C)**

- A. Name of facility \_\_\_\_\_
- B. Type of Livestock:  Feeder Cattle,  Dairy Cattle,  Swine over 55 lbs.,  Swine under 55 lbs.,  
 Sheep,  Poultry,  Horses
- C. Average number of livestock per year \_\_\_\_\_ and average weight per animal \_\_\_\_\_ lbs.
- D. Peak number of livestock \_\_\_\_\_ and time of year \_\_\_\_\_
- E. Is facility approved by Nebraska Department of Environmental Quality?  Yes,  No. If Yes, list NDEQ certification IIS number \_\_\_\_\_ If No, complete the rest of this section.
- F. Type of facility:  Open lot,  Covered Building
- G. If facility is Open lot, list soil type \_\_\_\_\_
- H. Estimated depth to ground water under feedlot \_\_\_\_\_ ft.
- I. Describe manure collection system of feedlot \_\_\_\_\_
- J. Name and distance of nearest surface watercourse from feedlot \_\_\_\_\_
- K. For each manure land application site, list legal description and size in acres, method of application, and distance from feedlot operation. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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**DOMESTIC WELLS WITH IRRIGATION ON ONE ACRE OR MORE (SECTION D)**

- A. Check all that apply:
  - a. Water use:  Lawn and number of acres to be irrigated \_\_\_\_\_ acres.
  - b. Water use:  Commercial garden and number of acres to be irrigated \_\_\_\_\_ acres.
  - c. Water use:  Tree Farm and number of acres to be irrigated \_\_\_\_\_ acres.
  - d. Water use:  Type of livestock \_\_\_\_\_ and number \_\_\_\_\_
- B. Type of irrigation system.  Sprinkler,  Drip Tape,  Other (specify) \_\_\_\_\_
- C. If applicable, give Street address and town \_\_\_\_\_

\* One acre equals 43,560 square feet.

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**INDUSTRIAL AND COMMERCIAL WELLS****(SECTION E)**

- A. Name of facility \_\_\_\_\_
- B. Products produced by facility \_\_\_\_\_
- C. In Section 6 or on a separate sheet of paper, list well registration number and legal description of current wells supplying water to this facility.
- D. In Section 6 or on a separate sheet of paper, provide a short description how water is used within the facility and the expected annual amount of water for each use. For example: "The manufacturing plant will use 45% of total annual water use, or 1.45 million gallons per year, for electroplating of galvanized pipe and the remaining 55% of total annual water use, or 1.77 million gallons per year, will be used for non-contact cooling water throughout the plant".
- E. Will any of the used water or waste water from this facility be re-used for another purpose?  Yes,  No.  
If Yes, list purpose, location and expected total amount of water use in acre-inches / year or total gallons / year.
- \_\_\_\_\_
- \_\_\_\_\_

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**PUBLIC WATER SUPPLY WELLS****(SECTION F)**

- A. On a separate sheet of paper, list the well registration numbers and legal description of current wells supplying water to this community.
- B. Attach a list of the five largest industrial water users that your community supplies water to, and the total annual amount of water supplied to each of these industries for the last five years.
- C. For these same industries list the total annual amount of water returned to the community as waste water for each of the last five years.
- D. Will waste water be used for another purpose, such as livestock, irrigation, etc.?  Yes,  No  
If Yes, list purpose, location and expected total amount of water use in acre-inches / year or total gallons / year.
- \_\_\_\_\_
- \_\_\_\_\_
- E. Attach a list of the golf courses that the community supplies water to and list the location and number of acres for each one.

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**RECOVERY OR REMEDIATION WELLS****(SECTION G)**

- A. Reason for recovery or remediation well, i.e. leaking underground storage tank. \_\_\_\_\_
- B. Contaminates of concern \_\_\_\_\_
- C. Treatment method of contaminates \_\_\_\_\_
- D. Approximate dates (month/day/year) in operation: Start \_\_\_\_\_ End \_\_\_\_\_
- E. Legal description of water discharge location: \_\_\_\_\_ ¼ of the \_\_\_\_\_ ¼ of Section \_\_\_\_\_, Township \_\_\_\_\_ North, Range \_\_\_\_\_ East/West and name of river, stream or water body \_\_\_\_\_
- F. Will cleanup water be used for another purpose, such as livestock, irrigation, etc.?  Yes,  No  
If Yes, list purpose, location and expected total amount of water use in acre-inches / year or total gallons / year.
- \_\_\_\_\_
- \_\_\_\_\_

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**OTHER WELLS****(SECTION H)**

- A. Purpose of water use \_\_\_\_\_
- B. Will the well be used for one calendar year or less?  Yes,  No
- a. If Yes, list approximate dates (month/day/year) the well will be in operation: Start \_\_\_\_\_  
End \_\_\_\_\_
- b. If No, list the approximate dates (months) or seasons of the calendar year that well is expected to be in peak or highest use. \_\_\_\_\_
- C. Legal description of water discharge location: \_\_\_\_\_ ¼ of the \_\_\_\_\_ ¼ of Section \_\_\_\_\_, Township \_\_\_\_\_ North, Range \_\_\_\_\_ East/West and name of river, stream or water body \_\_\_\_\_
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**This form must be completed in full and accompanied by a non-refundable \$50.00 filing fee** (payable to the Lower Platte North Natural Resources District). In addition, for Class 3 well permits an added fee of \$250.00 is required for District review. For Class 4 well permits an added fee of \$500.00 is required for District review. Forward this application and filing fees to:

Lower Platte North Natural Resources District  
P.O. Box 126  
Wahoo, NE 68066  
Phone: (402) 443-4675

Please take the time and fill out the information correctly. The District will return an incomplete or defective application, with 60 days being allowed for resubmission. The District shall issue all permits with conditions attached, or denied not later than 30 days after receipt of a complete and properly prepared application.

## WATER WELL PERMIT RESTRICTIONS

1. A well permit is required prior to the construction of a water well. If construction of a water well is commenced prior to obtaining a permit, a late permit must be completed and accompanied by a \$250.00 application fee. Construction or operation of a new water well without an approved water well permit shall result in the District issuing a 'cease and desist order' against further construction or use of that water well.
2. An irrigation well shall not be constructed within 1000 feet of any registered industrial or public water supply well or within 600 feet of a registered irrigation well; A public water supply well shall not be constructed within 1000 feet of any registered irrigation, industrial or other public water supplier's well; An industrial well shall not be constructed within 1000 feet of any registered irrigation, industrial or public water supply well pursuant to §46-609 and §46-651. These spacing restrictions shall not apply to water wells owned by the same person. Any person may apply to the Nebraska Department of Natural Resources for a special permit to drill a water well without regard to the spacing requirements pursuant to §46-653. The District may adopt stricter well spacing requirements based on different aquifer subareas. Check with the District office if you have any questions.
3. This permit does not register the well with the Department of Natural Resources. All wells are required to be registered by the well driller with the Nebraska Department of Natural Resources within 60 days after the well is completed.
4. A replacement water well is one, which replaces an abandoned water well that has been operated within the last three years, and is constructed to water the same tract of land as the abandoned water well that is being replaced. A replacement water well must be pumping from a comparable aquifer and yield approximately the same gallons per minute and total annual water uses as the original water well it is replacing. As of January 1, 1997, both new and replacement wells need a permit from the Lower Platte North Natural Resources District.
5. Consumptive water use in acre-inches is determined from the Department of Natural Resources (DNR) Net Corn Crop Irrigation Requirement map or a similar map produced by the University of Nebraska.
6. If the well is being replaced it must be properly abandoned according to state guidelines. A copy of these guidelines is available from the Lower Platte North NRD.
7. If the water well is not constructed within a one-year period from the date of approval, a new permit is needed.
8. Water wells may not be drilled within 50 feet of a stream bank without first obtaining a surface water right for that water withdrawal from the Department of Natural Resources pursuant to §46-637.
9. Any person who, on or after January 1, 1997, commences or causes construction of such a well for which the required permit has not been obtained, or who knowingly furnishes false information regarding such a permit, shall be guilty of a Class IV misdemeanor pursuant to §46-602.01 and §46-613.02.
10. Permits are not required for test holes or temporary dewatering wells (30 days or less). Permits are needed for water wells designed to pump 50 gallons per minute or less in Level 3 and Stay management areas.
11. Tax assessor records submitted with water well permit must include map, parcel number and an accurate account of current land use, such as irrigated acres.
12. With the well permit application, submit an aerial photograph with markings to show the location of the water source(s) and the location of where the water is to be used.
13. Any person, who knowingly furnishes false information regarding a water well permit, shall be subject to the imposition of penalties imposed through the controls adopted by the District pursuant to §46-746.
14. All new or replacement water wells must install a District approved flow meter and report water pumped annually in acre-inches per year or total gallons per year on LPNNRD approved forms by January 31<sup>st</sup> of each following year.
15. If multiple water sources are used, landowner must supply flow records from each water source in acre-inches per year or total gallons per year on LPNNRD approved forms by January 31<sup>st</sup> of each following year.
16. Water well permit applications require that the applicant or operator of irrigation, livestock, domestic (with irrigation on one acre or more of land), industrial, and public water supply wells by NRD certified.

**\*\* Landowners must list new irrigated acres with the County Assessor, update the DNR well registration, and comply with any additional conditions within 90 days of LPNNRD approval of this water well permit. LPNNRD staff may perform a site visit to verify information provided in the variance request. \*\***

**COMMENTS/RESTRICTIONS: Water well permit conditions required for approval by LPNNRD.**

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