

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION**

ORDER NO. 95-700  
NPDES NO. CAG017001

**GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT  
AND  
GENERAL WASTE DISCHARGE REQUIREMENTS  
FOR  
CONFINED ANIMAL FEEDING OPERATIONS**

The California Regional Water Quality Control Board, Colorado River Basin Region (hereinafter referred to as the Regional Board), finds that:

1. The California Water Code requires that any person discharging wastes, or proposing to discharge wastes, other than into a community sewer system, which could affect the quality of the waters of the State, shall file a Report of Waste Discharge with the appropriate Regional Water Quality Control Board. The Regional Board then shall prescribe requirements for the discharge or proposed discharge of wastes.
2. Individual permit issuance and revision needs far exceed available staff resources. The adoption of general waste discharge requirements would enable the Regional Board to better utilize limited staff resources, while insuring water quality protection.
3. Entities subject to this Board Order are Confined Animal Feeding Operations (CAFOs) which discharge animal wastes or other similar kinds of wastes to land, ground water or surface water and are hereinafter referred to as the discharger(s).
4. In this Region there are approximately 19 CAFOs. Most of these facilities are feedlots, with the exception of one dairy. However, it appears that more dairies may be relocated to this Region from other parts of the State.
5. Wastewater is defined as any water which contains pollutants as defined in Section 122.2 of CFR 40. This includes, but is not limited to, wastewater discharged and/or storm water runoff from CAFOs.
6. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted on November 17, 1993, and designates the beneficial uses of ground and surface waters in this Region. The beneficial uses of these waters are shown on Attachment "A" (pages 2-5 through 2-12, pages 2-18 and 2-19 of the 1993 Basin Plan), incorporated herein and made a part of this Board Order. This Board Order specifies requirements necessary to meet water quality objectives and protect beneficial uses.
7. Revised regulations governing the discharge of waste to land contained in Chapter 15, Division 3, Title 23 of the California Code of the Regulations became effective on November 27, 1984. Article 6 of Chapter 15 contains requirements for CAFOs.

SUPERSEDED BY  
BOARD ORDER NO. 01-800

8. Section 402(p) of the Clean Water Act as amended by the Water Quality Act of 1987 and the related regulations published by the United States Environmental Protection Agency (USEPA) on November 16, 1990 (40 CFR Parts 122, 123 and 124) requires an NPDES permit for pollutant discharges from CAFOs. The USEPA's Effluent Guidelines and Standards for Feedlots are contained in 40 CFR Part 412 (revised July 1, 1991).
9. This Board Order consolidates all requirements for CAFOs, including those for storm water runoff, into a single permit. For all CAFOs, once enrollment is granted under this Board Order, other Waste Discharge Requirements issued by this Regional Board and enrollment under State Water Resources Control Board General Industrial Storm Water Permit (Order No. 91-13-DWQ) will be terminated.
10. The Regional Board has considered antidegradation pursuant to 40 CFR 131.12 and State Board Resolution No. 68-16, and finds that these discharges are consistent with State and Federal Regulations.
11. The discharger(s) may apply for enrollment under these general waste discharge requirements provided that:
  - a. In accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these waste discharge requirements, which govern the operation of an existing facility involving negligible or no expansion of use beyond that previously existing, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000 et seq.).
  - b. For new facilities construction, an environmental impact report or negative declaration has been certified by a local lead agency having authority in the area of discharge.
12. This Board Order permits the discharge of wastes to land/ground water (percolation ponds and the like) of the State subject to provisions of this Board Order. It does not preempt or supersede the authority of municipalities, flood control agencies, or other local agencies to prohibit, restrict, or control discharge waste to storm drain systems or other water courses subject to their jurisdiction.
13. To qualify for enrollment under these general waste discharge requirements, the discharger(s) must:
  - a. Own, operate, lease, or propose to own, operate or lease any type of CAFO;
  - b. Submit a Report of Waste Discharge and filing fee;
  - c. Submit a Notice of Intent (NOI);
  - d. Submit an Engineered Waste Management Plan (EWMP) acceptable to the Regional Board's Executive Officer prepared by a professional civil engineer registered in the State of California;
  - e. Adhere to all current local, State and Federal regulations and applicable permits; and
  - f. Submit documentation that the local lead agency has satisfied the requirements of the California Environmental Quality Act in accordance with Chapter 3, Division 13, Public Resource Code (this applies to new facilities only).

14. Following receipt of the above information, the Regional Board's Executive Officer will determine whether:
  - a. It is appropriate to regulate the proposed facility under general waste discharge requirements;
  - b. Further documentation or clarification is needed; and
  - c. The wastewater disposal system appears to meet criteria necessary for protection of ground and surface waters of the State.
15. Dischargers that submit complete applications and are determined to be subject to these requirements will be notified by the Regional Board's Executive Officer in writing and will be issued a Notice of Applicability letter. This notification will inform the discharger(s) that their proposed discharge is subject to the requirements promulgated by the Regional Board.
16. Notwithstanding the above findings, individual cases may be brought to the Regional Board for consideration of waste discharge requirements when deemed appropriate by the Regional Board's Executive Officer.
17. The Board has notified interested agencies and persons of its intent to adopt general waste discharge requirements for the confined animal facilities.
18. The Board in a public meeting heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, that in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Clean Water Act, and regulations and guidelines adopted thereunder, the discharger(s) shall comply with the following:

**A. Facilities Eligible for Enrollment Under this Board Order:**

The following types of facilities may request enrollment under this Board Order:

1. New or proposed CAFOs
2. Existing CAFOs

The Regional Board's Executive Officer is hereby authorized to enroll discharger(s) under these general waste discharge requirements.

**B. Prohibitions**

1. The unauthorized discharge of any facility wastewater to adjacent property is prohibited.
2. The unauthorized discharge of wastes to lands not owned or controlled by the discharger(s), or in a manner not approved by the Regional Board's Executive Officer, is prohibited.
3. The discharge of brine wastes is prohibited.
4. Dead animals shall be disposed of in accordance with appropriate state, local laws, regulations and ordinances.

### C. Specifications

1. The discharger(s) shall design, construct, maintain, and operate necessary containment structures to retain all wastewater generated from the facility, including all of the precipitation on and drainage through manured areas resulting from storms up to, and including, the 25-year, 24-hour storm. The design of the containment structures shall be certified by a California registered civil engineer.
2. There shall be no discharge to any surface water bodies unless chronic,<sup>1</sup> catastrophic or cumulative rainfall causes overflow from a storage facility designed, constructed, maintained and operated to contain all process generated wastewater plus the runoff from a 25-year, 24-hour storm.
3. Retention ponds and manured areas at CAFOs in operation on November 27, 1984, shall be protected from inundation or washout by overflow from any stream channel during 25-year peak storm flows. Existing facilities that are protected against 100-year peak storm flows must continue to provide such protection. New facilities built after November 27, 1984 shall be protected from 100-year peak stream flows.
4. Any manure applied to disposal land or cropland that is part of the CAFOs shall not affect the water quality of the area adversely. A manifest of the manure hauled away shall be maintained and submitted with the annual report required by Monitoring and Reporting Program No. 95-700.
5. Discharges of wastewater to disposal lands shall not result in surface runoff from disposal lands and shall be managed to minimize percolation to the ground water.
6. All animals at the CAFOs shall be prevented from entering any drains, canals, rivers or lakes within the confined area.
7. All precipitation and surface drainage from outside of manured areas, including that collected from roofed areas resulting from up to and including a 25-year, 24-hour storm, shall be diverted away from manured areas; unless such drainage is fully contained.
8. Retention ponds shall be lined with or underlined by soil which contains at least ten percent clay and not more than ten percent gravel or artificial materials of equivalent impermeability. These ponds shall also be sited, designed, constructed and operated to ensure that wastes will be a minimum of five feet above the highest anticipated elevation of underlying ground water.
9. Ponds shall be managed to prevent breeding of mosquitoes. In particular,
  - a. An erosion control program should assure that small coves and irregularities are not created around the perimeter of the water surface.
  - b. Weeds shall be minimized through control of water depth, harvesting, or herbicides.
  - c. Dead algae, vegetation, and debris shall not accumulate on the water surface.

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<sup>1</sup> Chronic rainfall is defined as rainfall occurring over a 7-day period or less which is equivalent to that from a 25-year, 24-hour storm event.

10. Operation of CAFOs shall not cause pollution or nuisance as defined in Section 13050 of the California Water Code.
11. Storm water discharged from the facility shall not cause or threaten to cause pollution, contamination or nuisance.
12. All new roofs, buildings, and non-manured areas located on the CAFO shall be constructed or otherwise designed so that clean rainwater is diverted away from the sources of animal manure and waste containment facilities.

D. Provisions

1. The discharger(s) shall comply with "Monitoring and Reporting Program No. 95-700", and future revisions thereto, as specified by the Regional Board's Executive Officer.
2. If an EWMP, as set forth in Attachment "B", and acceptable to the Regional Board's Executive Officer, has not yet been developed, the discharger(s) shall develop such a plan in accordance with the time schedule specified in the discharge authorization letter.
3. Upon receiving the EWMP, the Regional Board's Executive Officer shall determine the need to develop a ground water monitoring program on a case-by-case basis. Such a monitoring program would require the installation of monitoring wells at the facility. Wells shall be sampled semi-annually (in April and October) for detection of total dissolved solids (TDS), nitrates, pH and fecal coliform. Ground water elevation and gradient shall be determined at the same time. Results shall be submitted with the annual report.
4. The application for a proposed discharge shall contain the following information and shall be submitted at least 90 days prior to the start of the discharge:
  - a. Submit a Report of Waste Discharge and a filing fee;
  - b. Submit a Notice of Intent (NOI) (See Attachment "C");
  - c. Submit an EWMP acceptable to the Regional Board's Executive Officer (See Attachment "B");
  - d. Submit proof of Compliance with the California Environmental Quality Act (new facilities only); and
  - e. Any other information deemed necessary by the Regional Board's Executive Officer.
5. All storm water discharges from the facility must comply with lawful requirements of the municipalities, counties, drainage districts, and other local agencies regarding discharges of storm water to storm drain systems or other water courses under their jurisdiction.
6. For all aboveground tanks in excess of 660 gallons or an aggregate 1,320 gallons containing oil and/or oil products, the discharger(s) shall prepare a Spill Prevention Control and Countermeasure Plan in order to conform to requirements of Title 40, Code of Federal Regulations, Part 112.

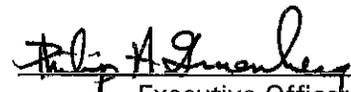
Additionally, the Aboveground Petroleum Storage Act, a state law effective January 1, 1990 as SB 49, requires that all aboveground tanks containing crude oil, or its fractions, shall submit a storage statement and be accompanied by appropriate fees.

7. Determination of compliance with the terms of this Board Order shall be based on the following:
  - a. Periodic inspections by Regional Board staff;
  - b. Evaluation of the annual report of animal waste discharge and storm water discharge submitted according to the attached monitoring and reporting program; and
  - c. Any other information deemed appropriate by the Regional Board's Executive Officer.
8. The discharger(s) shall allow Regional Board staff, or any authorized representative, upon presentation of credentials and other documents as may be required by law, to:
  - a. Enter upon the premises regulated by this Board Order, or the place where records must be kept under the conditions of this Board Order;
  - b. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this Board Order;
  - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Board Order; and
  - d. Sample or monitor at reasonable times, for the purpose of assuring compliance with this Board Order or as otherwise authorized by the California Water Code, any substances or parameters at this location.
  - e. Take photographs at the facility.
9. These waste discharge requirements are subject to review and revision by the Regional Board.
10. The discharger(s) shall comply with all Federal, State, Local and County Laws and regulations.
11. All facilities currently permitted under waste discharge requirements, shall be enrolled under this general permit upon issuance of a Notice of Applicability letter by the Regional Board's Executive Officer. The Regional Board's Executive Officer is hereby authorized to rescind any existing waste discharge requirement for a facility upon issuance of a Notice of Applicability letter for the facility.
12. The discharger(s) shall notify the Regional Board by telephone within 24-hours of any unauthorized off-property discharge of facility wastewater or manure. This notification shall be followed by a written report within five business days including the following:
  - a. The approximate date and time of discharge;
  - b. Flow rate and duration of discharge;
  - c. Type and source of waste discharge; and
  - d. A time schedule and plan to implement necessary corrective actions to prevent the recurrence of the discharge.

13. The discharger(s) shall report promptly in writing to the Regional Board's Executive Officer any changes or proposed changes in:
  - a. The control, ownership, operation or location of the CAFOs;
  - b. The character, location, volume or disposal methods of the discharge; and
  - c. In the event of transfer of property, the discharger(s) shall also notify the succeeding owner(s) or operator(s) of the existence of this Board Order by letter, a copy of which shall be forwarded to the Regional Board's Executive Officer. The succeeding owner(s) or operator(s) shall file an NOI and submit applicable fees within 30 days of property transfer.
14. Storm flows in excess of a 25-year, 24-hour storm event may be discharged to surface water bodies in accordance with the requirements specified in the USEPA's "Effluent Guidelines and Standards for Feedlot's, 40 CFR Part 412". Additionally, storm flows resulting from chronic, cumulative, and catastrophic events may also be discharged to surface water bodies in accordance with the USEPA's effluent guidelines referenced above.
15. The discharger(s) shall restore the wastewater holding capacity of their retention ponds after a storm event in a timely manner.
16. This Board Order may be revoked, reissued, and/or terminated under but not limited to, the following conditions:
  - a. A change in the ownership, operation, animal population, or location of the facility;
  - b. Violation of any terms or conditions contained in this Board Order; and
  - c. Failure to submit any reports required by Monitoring and Reporting Program No. 95-700 or to disclose fully any relevant facts.
17. This Board Order is not transferable to any person without written authorization from the Regional Board's Executive Officer.
18. This Board Order is scheduled to expire on September 27, 2000. However, it shall continue in force and effect until a new Order is issued. Only those dischargers authorized to discharge under the expired Board Order will be automatically enrolled by the continued Order.
19. This Board Order shall serve as a National Pollutant Discharge Elimination System (NPDES) Permit pursuant to Section 402 of the Clean Water Act or amendments thereto, and shall become effective ten days after the date of its adoption provided the Regional Administrator of the USEPA has no objection. If the Regional Administrator objects to its issuance, the permit shall not be effective until such objection is withdrawn.
20. The Regional Board's Executive Officer is hereby authorized to make necessary revisions to the requirements for an EWMP, Attachment "B".
21. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger(s) from his liabilities under federal, state, or local laws, nor guarantee the discharger(s) a capacity right in the receiving waters. This Board Order does not convey any property rights of any sort, or any exclusive privilege.

22. The discharger(s) must comply with all the terms, requirements and the conditions of this Board Order. Any violation of this Board Order constitutes a violation of the Clean Water Act, its regulations and/or the California Water Code, and is grounds for enforcement action, termination of the Board Order, revocation and reissuance of the Board Order, denial of an application for reissuance of the Board Order, or a combination thereof.
23. The provisions of this Board Order are severable, and if any provision of this Board Order, or the application of any provision of this Board Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Board Order shall not be affected thereby.
24. Violations of any of the provisions of the NPDES program or any of the provisions of this Board Order may subject the violator to any of the penalties described under Section 309 (c) of the Clean Water Act, or any subsequent amendments to Section 309 (c). The violator may be subject to any combination of the penalties described herein at the discretion of the prosecuting authority; however, only one kind of penalty may be applied for each kind of violation.
25. All applications, reports, or information submitted to the Regional Board shall be signed and certified in accordance with 40 CFR Part 122.22.
26. The discharger(s) shall furnish, within a reasonable time, any information the Regional Board or USEPA may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Board Order. The discharger(s) shall also furnish to the Regional Board, upon request, copies of records required to be kept by this Board Order.
27. Except for data determined to be confidential under Section 308 of the Clean Water Act, all reports prepared in accordance with terms of this Board Order shall be available for public inspection at the offices of the Regional Water Quality Control Board and the Regional Administrator of USEPA. As required by the Clean Water Act, effluent data shall not be considered confidential. Knowingly making any false statements on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act and Section 13387 of the California Water Code.
28. The Clean Water Act provides that any person who knowingly makes any false material statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under this Board Order shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than two years per violation, or by both.

I, Philip A. Gruenberg, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, Colorado River Basin Region, on September 27, 1995.

  
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Executive Officer

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION**

**MONITORING AND REPORTING PROGRAM NO. 95-700  
FOR  
CONFINED ANIMAL FEEDING OPERATIONS**

**MONITORING**

1. The discharger(s) shall inspect the waste holding and disposal areas and note any discharges off the property which is under the control of the discharger(s). Inspections will be made daily when wastewater is being applied to cropland/disposal land and weekly during other periods. The results of all inspections will be recorded and submitted with the required reports.
2. During each significant storm event<sup>1</sup>, the discharger(s) shall make visual inspections of all storm water containment structures.
3. The discharger(s) shall record the approximate time of each storm related discharge which results in off-property discharges of storm water commingled with wastewater or manure, and its approximate duration.
4. The discharger(s) shall record each manure hauling event with the following information on a manure tracking manifest form and shall be submitted on an annual basis:
  - a. Point of Origination;
  - b. Quantity;
  - c. Hauling Party;
  - d. Destination; and
  - e. Intended Use

**REPORTING**

1. Annually, by January 15 of each year, an annual report of animal waste discharge and storm water discharge shall be submitted.
2. The annual report shall be submitted on forms provided by Regional Board staff and shall also include copies of all manure tracking manifests for the reporting period and copies of the inspection logs required to be maintained under A.1. and A.2., above.
3. The discharger(s) shall notify the Regional Board by telephone within 24-hours of any unauthorized off-property discharge of facility wastewater or manure. This notification shall be followed by a written report within five business days which shall be submitted to the Regional Board. The written report shall contain:
  - a. The approximate date and time of the discharge;

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<sup>1</sup> A significant storm event is defined as a storm event which results in continuous discharge of storm water for a minimum of one hour, or intermittent discharge of storm water for a minimum of three hours in a 12-hour period.

- b. Flow rate and duration of the discharge;
  - c. Specific type and source of the waste discharge (e.g., overflow from holding pond, rainfall runoff from manure storage areas, etc.); and
  - d. A time schedule and a plan to implement necessary corrective actions to prevent the recurrence of the discharge.
4. The report must be signed by the owner or by a duly authorized person responsible for the operation of the facility.
5. Each report shall contain the following statement:

"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

6. If required, monitoring of total dissolved solids, nitrate and fecal coliform shall be provided in the monitoring report.

Submit monitoring reports to:

California Regional Water Quality Control Board  
Colorado River Basin Region  
73-720 Fred Waring Drive, Suite 100  
Palm Desert, CA 92260

Ordered By: Philip A. Glendon  
Executive Officer

September 27, 1995

Date

# ATTACHMENT "A"

## TABLE 2-1

### DEFINITIONS OF THE BENEFICIAL USES OF WATER

CATEGORY	DEFINITION
MUN	<p><b>Municipal and Domestic Supply</b></p> <p>Uses of water for community, military, or individual water supply systems including, but not limited to, drinking water supply.</p>
AGR	<p><b>Agriculture Supply</b></p> <p>Uses of water for farming, horticulture, or ranching including, but not limited to, irrigation, stock watering, or support of vegetation for range grazing.</p>
AQUA	<p><b>Aquaculture</b></p> <p>Uses of water for aquaculture or mariculture operations including, but not limited to, propagation, cultivation, maintenance, or harvesting of aquatic plants and animals for human consumption or bait purposes.</p>
IND	<p><b>Industrial Service Supply</b></p> <p>Uses of water for industrial activities that do not depend primarily on water quality including, but not limited to, mining, cooling water supply, hydraulic conveyance, gravel washing, fire protection, and oil well repressurization.</p>
GWR	<p><b>Ground Water Recharge</b></p> <p>Uses of water for natural or artificial recharge of ground water for purposes of future extraction, maintenance of water quality, or halting salt water intrusion into fresh water aquifers.</p>
REC I	<p><b>Water Contact Recreation</b></p> <p>Uses of water for recreational activities involving body contact with water, where ingestion of water is reasonably possible. These uses include, but are not limited to, swimming, wading, water-skiing, skin and scuba diving, surfing, white water activities, fishing, and use of natural hot springs.</p>
REC II	<p><b>Non-Contact Water Recreation</b></p> <p>Uses of water for recreational activities involving proximity to water, but not normally involving contact with water where ingestion of water is reasonably possible. These uses include, but are not limited to, picnicking, sunbathing, hiking, beachcombing, camping, boating, tidepool and marine life study, hunting, sightseeing, or aesthetic enjoyment in conjunction with the above activities.</p>
WARM	<p><b>Warm Freshwater Habitat</b></p> <p>Uses of water that support warm water ecosystems including, but not limited to, preservation or enhancement of aquatic habitats, vegetation, fish, or wildlife, including invertebrates.</p>

ATTACHMENT "A" (Continued)

TABLE 2-1 (CONT.)

DEFINITIONS OF THE BENEFICIAL USES OF WATER

CATEGORY		DEFINITION
COLD	Cold Freshwater Habitats	Uses of water that support cold water ecosystems including, but not limited to, preservation or enhancement of aquatic habitats, vegetation, fish, or wildlife, including invertebrates.
WLD	Wildlife Habitat	Uses of water that support terrestrial ecosystems including, but not limited to, the preservation and enhancement of terrestrial habitats, vegetation, wildlife (e.g., mammals, birds, reptiles, amphibians, invertebrates), or wildlife water and food sources.
POW	Hydropower Generation	Uses of water for hydropower generation.
FRSH	Freshwater Replenishment	Uses of water for natural or artificial maintenance of surface water quantity or quality.
RARE	Preservation of Rare, Threatened, or Endangered Species	Uses of water that support habitats necessary, at least in part, for the survival and successful maintenance of plant or animal species established under state or federal law as rare, threatened or endangered.

**ATTACHMENT "A" (Continued)**

**TABLE 2-2**

**BENEFICIAL USES OF SURFACE WATERS IN THE EAST COLORADO RIVER BASIN**

(Listing of the beneficial uses is indicated by X for existing uses,  
P for potential uses, and I for intermittent uses)

M U N	A G R	A Q U A	F R S H	I N D	G W R	R E C I	R E C II	W A R M	C O L D	W I L D	P O W	R A R E
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**Rivers/Streams**

Colorado River and associated lakes and reservoirs	X	X	X		X	X	X	X	X	X <sup>1</sup>	X	X	X
Copper Basin Creek	P					X	X <sup>2</sup>	X <sup>2</sup>	X		X		X
Piute Creek	P	X				X	X	X	X		X		X

**Lakes**

Haughtefin Lake	P	X					X	X	X		X		
West Pond	P						X	X	X		X		X

**Canals/Aqueducts**

Bard Valley Canals	X	X				X	X <sup>2</sup>	X	X		X	P	
Palo Verde Valley Canals	P	X	X			X <sup>3</sup>	X <sup>2</sup>	X <sup>2</sup>	X		X		

**Drains**

Bard Valley Drains							X <sup>6</sup>	X	X		X		
Palo Verde Valley Drains							X <sup>6</sup>	X <sup>2</sup>	X		X		
Palo Verde Lagoon and Outfall Drain							X <sup>4</sup>	X <sup>4</sup>	X		X		X

**Other**

Unlisted Perennial and Intermittent Streams	P <sup>5</sup>					I X	I P X	I X	I X		I X		.
Washes (Ephemeral Streams)						I		I	7		I		

**Footnotes for Table 2-2**

1. Limited to reach from Parker Dam to Nevada State Line.
2. Unauthorized Use.

## ATTACHMENT "A" (Continued)

3. Palo Verde Irrigation District regards any loss of water through seepage from the canals as entirely detrimental to their operations, despite any corollary benefit which occurs from recharging the local ground water basin.
4. Unauthorized use within Riverside County portion of flow.
5. Potential use designation will be determined on a case-by-case basis as necessary in accordance with the "Sources of Drinking Water Policy" in this chapter.
6. Rare, endangered, or threatened wildlife may exist in or utilize some of these waterways. If the RARE beneficial use may be affected by a water quality control decision, responsibility for substantiation of the existence of rare, endangered, or threatened species on a case-by-case basis is upon the California Department of Fish and Game on its own initiative and/or at the request of the Regional Board; and such substantiation must be provided within a reasonable time frame as approved by the Regional Board.
7. Use, if any, to be determined on a case-by-case basis.
8. The only REC I usage known to occur is from fishing activity.

ATTACHMENT "A" (Continued)

TABLE 2-3

**BENEFICIAL USES OF SURFACE WATERS IN THE WEST COLORADO RIVER BASIN**  
 (Listing of the beneficial uses is indicated by X for existing uses,  
 P for potential uses, and I for intermittent uses)

M U N	A G R	A Q U A	F R S H	I N D	G W R	R E C I	R E C II	W A R M	C O L D	W I L D	P O W	R A R E
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**Canals/Aqueducts**

All American Canal System	X	X	X	X <sup>1</sup>	X	X	X <sup>2</sup>	X <sup>2</sup>	X		X	X	X <sup>13</sup>
Coachella Canal	P	X				X	X <sup>2</sup>	X <sup>2</sup>	X		X		X <sup>13</sup>
MWD Aqueduct and Associated reservoirs	X					X	P <sup>3</sup>		X		X	P	

**Drains**

Alamo River				X			X <sup>16</sup>	X	X		X	P	X <sup>13</sup>
Coachella Valley Drains				X			X <sup>2</sup>	X <sup>2</sup>	X		X		X <sup>13</sup>
Coachella Valley Storm Water Channel <sup>4</sup>				X			X <sup>2</sup>	X <sup>2</sup>	X		X		X <sup>13</sup>
Imperial Valley Drains				X			<sup>2, 16</sup> X	X <sup>2</sup>	X		X		X <sup>13</sup>
New River				X	P		X <sup>5</sup>	X	X		X		X <sup>13</sup>

**Lakes**

Finney Lake							X <sup>15</sup>	X	X		X		X
Lake Cahuilla	P	X					X	X	X	I	X		
Ramer Lake							X	X	X		X		X
Salton Sea			X		P		X	X	X		X		X
Sunbeam Lake	P	X					X	X	X	I <sup>6</sup>	X		
West Lake	P						X	X	X	I <sup>6</sup>	X		
Wister Unit							X <sup>15</sup>	X	X		X		X

**Streams**

Andreas Creek	P	X				X	X	X	X		X		
Arrastre Creek	X				X	X	X	X	X		X		
Azalea Creek	P	X				X	X	X	X		X		
Banner Creek	P	X			X	X	X	X	X		X		
Big Morongo Creek	P	X				X	X <sup>8</sup>	X	X		X		

ATTACHMENT "A" (Continued)

TABLE 2-3 (Cont.)

BENEFICIAL USES OF SURFACE WATERS IN THE WEST COLORADO RIVER BASIN

M U N	A G R	A Q U A	F R S H	I N D	G W R	R E C I	R E C II	W A R M	C O L D	W I L D	P O W	R A R E
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Streams (Cont.)

Borrego Palm Canyon Creek	P				X	X	X	X		X		X
Boundary Creek	P	X			X	X	X	X		X		
Brown Creek	P	I			I	I	I	I		I		
Carrizo Creek		X			X	X	X	X		X		X
Chino Canyon Creek	X				X	P	X	X		X		
Coyote Creek	P				X	X	X	X		X		X
Crystal Creek	X	X			X	X	X	X		X		
Dutch Creek	P	I			I	I	I	I		I		
Falls Creek	X				X	P	X <sup>o</sup>		X	X		
Grapevine Canyon Creek	P				X	X	X	X		X		
Hathaway Creek	P	X			X	P	X	X		X		
Little Morongo Creek	P	X			X	X	X	X		X		
Millard Canyon Creek	X	X			X	X	X	X		X		
Mission Creek	P	X			X	X	X	X		X		
Palm Canyon Creek	P	X			X	X	X	X		X		
Pipes Canyon Creek	P				I	I	I	I		I		
Potrero Creek	P	X			X	X	X	X		X		
Salt Creek			X		X	X	X	X		X		X
San Felipe Creek		X	X		X	X	X	X		X		X
San Geronio River	P	X			X	X	X		X	X		
Snow Creek	X				X	X	X <sup>o</sup>		X	X		
Tahquitz Creek	P				X	X	X		X	X		
Thousand Palms Canyon Creek	P	X			X	X <sup>2</sup>	X	X		X		
Tubb Canyon Creek	X				X	P	X	X		X		X
Tule Creek	P	X			X	X	X	X		X		

**ATTACHMENT "A" (Continued)**

**TABLE 2-3 (Cont.)**

**BENEFICIAL USES OF SURFACE WATERS IN THE WEST COLORADO RIVER BASIN**

M U N	A G R	A Q U A	F R S H	I N D	G W R	R E C I	R E C II	W A R M	C O L D	W I L D	P O W	R A R E
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**Streams (Cont.)**

Twin Pines Creek	X	X			X	X	X	X		X		
Vallecito Creek	P	I			I	I	I	I		I		
Walker Creek	P	X			X	X	X	X		X		
Whitewater River <sup>10</sup>	X	X			X	X	X	I	X	X	X	
Willow Creek	P				X	X	X		X	X		

**Other**

Unlisted Perennial and Intermittent Streams	P <sup>11</sup>		I X <sup>12</sup>		I X	I P X	I X	I X		I X		I X <sup>13</sup>
Washes <sup>14</sup> (Ephemeral Streams)			I <sup>12</sup>		I		I	?		I		

Footnotes for Table 2-3

1. Some very limited spillage of canal water occurs providing freshwater replenishment to Salton Sea.
2. Unauthorized use.
3. The water quality is satisfactory to support REC I use, although such use is strictly prohibited and would be extremely dangerous.
4. Section of perennial flow from approximately Indio to the Salton Sea.
5. Although some fishing occurs in the downstream reaches, the presently contaminated water in the river makes it unfit for any recreational use. An advisory has been issued by the Imperial County Health Department warning against the consumption of any fish caught from the river and the river has been posted with advisories against any body contact with the water.
6. The lake was experimentally stocked with trout during the winter of 1987/88. The results from this stocking will be evaluated to see if future stocking will be recommended.
7. Use, if any, to be determined on a case-by-case basis.
8. Although it is not encouraged, children play in the water infrequently on the wildlife reserve.

## ATTACHMENT "A" (Continued)

9. Most of the creek is on National Forest Service land except one section which is owned by Desert Water Agency. This section provides the only reasonable access to the area. To enter Falls or Snow Creek through Desert Water Agency's land, a permit is required. The permit stipulates that persons entering through DWA's land must agree not to swim, fish, or wade in any portion of the creek.
10. Includes the section of flow from the headwaters in the San Gorgonio Mountains to (and including) the Whitewater Recharge Basins near Indian Avenue crossing in Palm Springs.
11. Potential use designations will be determined on a case-by-case basis as necessary in accordance with the "Sources of Drinking Water Policy" in this chapter.
12. Applies only to tributaries to Salton Sea.
13. Rare, endangered, or threatened wildlife exists in or utilizes some of these waterway(s). If the RARE beneficial use may be affected by a water quality control decision, responsibility for substantiation of the existence of rare, endangered, or threatened species on a case-by-case basis is upon the California Department of Fish and Game on its own initiative and/or at the request of the Regional Board; and such substantiation must be provided within a reasonable time frame as approved by the Regional Board.
14. Including the section of ephemeral flow in the Whitewater River Storm Water Channel and Coachella Valley Storm Water Channel from Indian Avenue to approximately 1/4 mile west of Monroe Street crossing.
15. The California Department of Fish and Game manages these lakes and does not permit swimming in them.
16. The only REC I usage that is known to occur is from infrequent fishing activity.

**ATTACHMENT "A" (Continued)**

**TABLE 2-5**

**BENEFICIAL USES OF GROUND WATERS IN THE COLORADO RIVER BASIN<sup>1</sup>**

<u>Area Code</u>	<u>Hydrologic Unit</u>	<u>MUN<sup>2</sup></u>	<u>IND</u>	<u>AGR</u>
<b>Lucerne Valley Planning Area</b>				
701.00	Lucerne hydrologic unit	X	X	X
702.00	Johnson hydrologic unit	X	X	X
703.00	Bessemer hydrologic unit			
704.00	Means hydrologic unit	X		
705.00	Emerson hydrologic unit	X		X
706.00	Lavic hydrologic unit			
707.00	Deadman hydrologic unit	X		
708.00	Joshua Tree hydrologic unit	X	X	
709.00	Dale hydrologic unit	X	X	X
710.00	Bristol hydrologic unit	X	X	X
711.00	Cadiz hydrologic unit	X	X	
712.00	Ward hydrologic unit	X		X
<b>Hayfield Planning Area</b>				
716.00	Rice hydrologic unit	X		
717.00	Chuckwalla hydrologic unit	X	X	X
718.00	Hayfield hydrologic unit			
<b>Coachella Valley Planning Area</b>				
719.00	Whitewater hydrologic unit			
719.10	Morongo hydrologic subunit <sup>3</sup>	X		
719.20	Shavers hydrologic subunit	X		
719.30	San Gorgonio hydrologic subunit	X	X	X
719.40	Coachella hydrologic subunit	X	X	X
725.00	East Salton Sea hydrologic unit	X		X
<b>Imperial Valley Planning Area</b>				
723.00	Imperial hydrologic unit	X	X	
724.00	Davies hydrologic unit			
726.00	Amos-Ogilby hydrologic unit	X		

**ATTACHMENT "A" (Continued)**

**TABLE 2-5 (Cont.)**

**BENEFICIAL USES OF GROUND WATERS IN THE COLORADO RIVER BASIN<sup>1</sup>**

<u>Area Code</u>	<u>Hydrologic Unit</u>	<u>MUN<sup>2</sup></u>	<u>IND</u>	<u>AGR</u>
<b>Anza-Borrogo Planning Area</b>				
720.00	Clark hydrologic unit	X		
721.00	West Salton Sea hydrologic unit	X		X
722.00	Anza-Borrogo hydrologic unit	X	X	X
<b>Colorado River Planning Area (East Colorado River Basin)</b>				
713.00	Piute hydrologic unit	X	X	X
714.00	Chemehuevi hydrologic unit	X		X
715.00	Colorado hydrologic unit	X	X	X
727.00	Yuma hydrologic unit	X		X

**Footnotes for Table 2-5**

1. Ground waters are important to sustain vegetation for wildlife habitat in some areas where surface waters are not present.
2. At such time as the need arises to know whether a particular aquifer which has no known existing MUN use should be considered as a source of drinking water, the Regional Board will make such a determination based on the criteria listed in the "Sources of Drinking Water Policy" in Chapter 2 of this Basin Plan. An "X" placed under the MUN in this Table for a particular hydrologic unit indicates only that at least one of the aquifers in that unit currently supports a MUN beneficial use. For example, the actual MUN usage of the Imperial hydrologic unit is limited only to a small portion of that ground water unit.
3. The term "hydrologic subunit" has the same meaning as the term "hydrologic area".

## ATTACHMENT "B"

### REQUIREMENTS FOR AN ENGINEERED WASTE MANAGEMENT PLAN

The Engineered Waste Management Plan must be prepared by a registered professional civil engineer in the State of California.

#### Site Plan

Site plan shall include:

1. Address and/or legal description of the property.
2. Name, address, and telephone number of the owner and operator of the property.
3. Total gross acreage of the property, showing property boundaries and all existing and proposed facilities including buildings, storage areas, berms/levees, holding ponds, pumping facilities, culverts, drainage easements, disposal areas, croplands (whether farmed by the owner/operator or another party), etc. (Cropland is the portion of land contiguous with the dairy site, where manure and dairy wastewater are applied at agronomic rates to grow a crop that is harvested at least once per year.) The site plan must include the overall dimensions, contours, a vicinity map, north arrow, and the date the plan was prepared. The plan shall be drawn on a standard blue print format using an appropriate scale that shows sufficient details of all facilities.
4. Containment facilities shall be designed to retain, on the property, all washwater and storm water runoff due to precipitation and drainage through manured areas which results from a 24-hour, 25-year storm event. Facilities in operation on November 27, 1984, shall be designed for protection of all manured areas from inundation or washout by overflow from any stream channel during 20-year peak stream flows. All manured areas for new facilities (built after November 27, 1984) shall be protected from inundation resulting from a 100-year peak stream flow. The site plan shall show all facilities necessary for containment and management of on-site storm water runoff as well as the interception and conveyance of any off-site storm water runoff through the property.
5. The site plan shall show the size, elevation, and location of all facilities proposed for containment of washwater, manured water, and storm water runoff on the property (berms/levees, holding ponds, upstream diversion structures, etc.). Cross section details of these facilities shall be presented.
6. A description of existing and proposed disposal areas or croplands, designated to receive manured water. (Disposal land is the portion of the dairy land upon which manure and/or dairy washwater disposal occurs.)

#### Design Calculations

Design calculations shall include:

1. Present and proposed animal population (numbers of each: milk cows, dry cows, calves, heifers, etc.) and the volume of washwater generated.

2. Amount of storm water runoff resulting from a 24-hour, 25-year storm event.
3. Total amount of wastewater (washwater and storm water) to be contained on the property.
4. Dimensions and capacity of the holding ponds.
5. Percolation rates, if used.

#### Construction Specifications

Construction specifications shall include the construction materials and method of compaction utilized to build berms/levees and other containment facilities.

#### Operations and Maintenance Plan

Operations and maintenance plan shall include:

1. A proposed holding pond management plan (to provide maximum pond capacity prior to winter storms; periodic dredging, etc.).
2. A proposed wastewater distribution plan (periodic rotation of wastewater to disposal areas or croplands).
3. A proposed maintenance plan for berms/levees and other containment facilities, including a proposed rodent control plan (periodic inspections to monitor for holes/cracks or breaks, etc.).

**ATTACHMENT "C"**

California Regional Water Quality Control Board  
Colorado River Basin Region

**NOTICE OF INTENT**

TO COMPLY WITH THE TERMS OF THE  
GENERAL PERMIT TO DISCHARGE WASTES  
ASSOCIATED WITH CONFINED ANIMAL FEEDING OPERATIONS INCLUDING DAIRIES

**FACILITY**

NAME AND ADDRESS OF FACILITY

CONTACT PERSON

NAME AND ADDRESS OF LEGAL OWNER OF FACILITY

TELEPHONE NO.  
CONTACT PERSON

NAME OF BUSINESS OPERATING FACILITY

TELEPHONE NO.

TELEPHONE NO.

**TYPE OF OPERATION**

INDICATE NUMBER OF:

1. DAIRY

2. CALF/HEIFER RANCH

3. OTHER CAFO

(IDENTIFY TYPE AND NUMBER OF ANIMALS)

\_\_\_\_\_ MILKING COWS

\_\_\_\_\_ CALVES

TYPE \_\_\_\_\_ NO. \_\_\_\_\_

\_\_\_\_\_ DRY COWS

\_\_\_\_\_ HEIFERS

TYPE \_\_\_\_\_ NO. \_\_\_\_\_

\_\_\_\_\_ HEIFERS

TYPE \_\_\_\_\_ NO. \_\_\_\_\_

\_\_\_\_\_ CALVES

**DISPOSAL INFORMATION**

TOTAL ACREAGE \_\_\_\_\_

\_\_\_\_\_ DISPOSAL LAND<sup>1</sup>

\_\_\_\_\_ AGRICULTURAL LAND<sup>1</sup>

\_\_\_\_\_ BUILDINGS/CORRALS<sup>1</sup>

<sup>1</sup> SEE ENGINEERED WASTE MANAGEMENT PLAN FOR DEFINITION

**SITE DESIGN CAPACITY**

\_\_\_\_\_ PRESENT/PROPOSED POPULATION

\_\_\_\_\_ DESIGN POPULATION/CAPACITY

HAS AN ENGINEERED WASTE MANAGEMENT PLAN (SEE ATTACHED) BEEN PREPARED? \_\_\_\_\_ YES \_\_\_\_\_ NO

**CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) COMPLIANCE**

HAS ANY CEQA DOCUMENT BEEN PREPARED FOR THIS PROJECT? \_\_\_\_\_ YES \_\_\_\_\_ NO (IF "YES", PLEASE ENCLOSE A COPY)

IF "NO", WILL ANY CEQA DOCUMENT BE PREPARED? \_\_\_\_\_ YES \_\_\_\_\_ NO

WILL A NEGATIVE DECLARATION BE PREPARED? \_\_\_\_\_ YES \_\_\_\_\_ NO

IF "YES", WHO WILL PREPARE THE NEGATIVE DECLARATION? \_\_\_\_\_ APPROXIMATE DATE OF COMPLETION \_\_\_\_\_

**CERTIFICATION**

I HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT THE INFORMATION PROVIDED IN THIS NOTICE OF INTENT AND IN ANY ATTACHMENTS IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

SIGNATURE OF OWNER OF FACILITY

SIGNATURE OF OPERATOR OF FACILITY

PRINT OR TYPE NAME

PRINT OR TYPE NAME

TITLE AND DATE

TITLE AND DATE