Item No. 8

December 10, 2009

ERRATA SHEET

CHANGES TO ORDER NO. R8-2009-0046
Waste Discharge Requirements for MHC NAC, Inc.
Wilderness Lakes RV Park Wastewater Treatment Facility, Riverside County

(Language deleted is ~~strike through~~)
(Language added is **bold and shaded)**

1. Order No. R8-2009-0046 – renumber pages to indicate a total of only 13 pages.

2. Order No. R8-2009-0046, page 6 - modify Discharge Prohibition III.G as follows:

   G. The discharge of waste sludge to any unlined evaporation/percolation pond is prohibited, **unless the Discharger implements an acceptable plan to offset the mass of total inorganic nitrogen in the leachate from the pond (see Provision VI.C.2).**

3. Order No. R8-2009-0046, page 7 - modify Effluent Limitation 2 as follows:

   2. **Total Dissolved Solids (TDS) Limitation:** The 12-month flow weighted running average TDS concentrations of the discharge shall not exceed ~~950~~ **1050** mg/L, unless the Discharger implements an acceptable plan to offset discharges in excess of this limit (see Provision VI.C.2).

4. Order No. R8-2009-0046, page 9, modify Standard Provision VI. A. 11. as follows:

   11. The treatment facilities shall be ~~designed, constructed, operated, and maintained to prevent~~ **protected from** inundation or washout due to floods with a 100-year return frequency.

5. Order No. R8-2009-0046, page 10 - modify Special Provision VI. C. 2 as follows:

   2. Special Studies, Technical Reports and Additional Monitoring Requirements

      TDS/TIN Offset: The Discharger may submit a proposed offset program and schedule of implementation for approval by the Executive Officer of the Regional Water Board. The proposed offset program shall include a compliance schedule that assures compliance with effluent limitations and required offsets will be achieved as soon as possible but no later than three years from the date the discharge begins to exceed the TDS and/or TIN limits specified in this Order. Upon approval, the Discharger shall implement the offset program according to the approved schedule. The offset program shall account for TDS/TIN discharges in excess of the limits specified in this Order that occur from the date of adoption of this Order. Should any of the proposed offset mechanisms be discontinued or prove to be inadequate to provide requisite offset(s), the Discharger shall, no later than ~~30~~ **120** days of discontinuance of any of the proposed offset program or finding of its inadequacy, propose an alternative offset program for approval by the Executive Officer. The Discharger shall implement the alternative offset program upon approval by the Executive Officer.

6. Order No. R8-2009-0046, page 10 - delete Special Provision VI. C. 4. a.

7. Order No. R8-2009-0046, page 12 - modify Special Provision VI. C. 7. a. as follows:

   a. By ~~April~~ **June** 1, 2010, the discharger shall submit a plan, acceptable to the Executive Officer of the Regional Water Board, to achieve compliance with the TIN limitation specified in Effluent Limitation IV.A. 3.a. The plan shall include a detailed time schedule of specific actions the Discharger proposes to implement in order to achieve compliance. The Discharger shall fully implement the plan upon approval by the Executive Officer.

8. Attachment E, page E.4. - modify Influent Monitoring Requirement III. A.1. as follows:

Parameter	**Units**	**Sample Type**	**Minimum Sampling & Testing Frequency**
~~Flow~~	~~mgd~~	~~Recorder/Totalizer~~	~~Continuous~~
BOD	mg/L	~~Composite~~ **Grab**	Weekly
Suspended Solids	"	"	"
Total Dissolved Solids	"	"	~~Quarterly~~ **Semi-Annualy**
Total Inorganic Nitrogen	"	"	"
~~Total Hardness~~	~~"~~	~~"~~	~~"~~
~~Flouride~~	~~"~~	~~"~~	~~"~~
~~Chloride~~	~~"~~	~~"~~	~~"~~
~~Boron~~	~~"~~	~~"~~	~~"~~
~~Sulfate~~	~~"~~	~~"~~	~~"~~
~~Sodium~~	~~"~~	~~"~~	~~"~~

9. Attachment E, page E.4. - modify Effluent Monitoring Requirement IV. 1. as follows:

Parameter	**Units**	**Sample Type**	**Minimum Sampling & Testing Frequency**
Flow	mgd	Recorder/Totalizer	Continuous
BOD	mg/L	~~Composite~~ **Grab**	~~3 days per week~~ **Weekly**[1]
Total Suspended Solids	mg/L	"	"
Total Dissolved Solids	"	"	Monthly
Total Inorganic Nitrogen	"	"	"
Total Hardness	"	"	Annually
Fluoride	"	"	"
Chloride	"	"	"
Sodium	"	"	"
Sulfate	"	"	"
Boron	"	"	"
~~EPA Priority Pollutants (Attachment G)~~	"	"	~~Once during the first year and once every five years, thereafter (see IV.2., below)~~

[1] **The monitoring frequency shall be increased to 3 days per week if any BOD or Total Suspended Solids effluent limit is exceeded. The monitoring frequency may return to weekly upon approval of the Executive Officer.**

10. Attachment E, page E.9. - modify Reporting Requirement VIII.A.9.i. as follows:

i. All original strip charts **or electronic data** from continuous monitoring devices;

California Regional Water Quality Control Board
Santa Ana Region

December 10, 2009

ITEM: *8

SUBJECT: Reissuance of Waste Discharge Requirements for the MHC NAC, Inc., Wilderness Lakes RV Park Wastewater Treatment Facility, Order No. R8-2009-0046, Riverside County

DISCUSSION:

See attached Fact Sheet

RECOMMENDATIONS:

Adopt Order No. R8-2009-0046 as presented.

COMMENT SOLICITATION:

Comments were solicited from the discharger and the following agencies:

U.S. Army District, Los Angeles, Corps of Engineers, Regulatory Branch
U.S. Fish and Wildlife Service, Carlsbad
State Water Resources Control Board, Office of the Chief Counsel – David Rice
State Department of Water Resources, Glendale
State Department of Fish and Game, Ontario
California Department of Public Health, San Diego – Steven Williams
Orange County Water District - Nira Yamachika
Santa Ana River Dischargers Association –
Santa Ana Watershed Project Authority – Celeste Cantu
Orange County Coastkeeper – Garry Brown
Inland Empire Waterkeeper – Lee Reeder
Lawyers for Clean Water C/c San Francisco Baykeeper
Terry Friedman

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SANTA ANA REGION

3737 Main Street, Suite 500, Riverside, California 92501-3348
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ORDER NO. R8-2009-0046

WASTE DISCHARGE REQUIREMENTS FOR THE MHC NAC, INC. WILDERNESS LAKES RV PARK WASTEWATER TREATMENT FACILITY

ARCHIVE

The following Discharger is authorized to discharge in accordance with the Waste Discharge Requirements set forth in this Order:

Table 1. Discharger Information

Discharger	**MHC NAC, Inc.**
Name of Facility	**Wilderness Lakes RV Park Wastewater Treatment Facility**
Facility Address	**30605 Briggs Road**
	Menifee, CA 92584
	Riverside County

The discharge by the MHC NAC, Inc., Wilderness Lakes STP from the discharge points identified below is subject to waste discharge requirements as set forth in this Order:

Table 2. Discharge Location

Discharge Point	Effluent Description	Discharge Point Latitude	Discharge Point Longitude	Disposal Site
001	Secondary Treated Effluent	33 ° 40' 37"	117 ° 8' 27"	Evaporation/Percolation Ponds

Table 3. Administrative Information

This Order was adopted by the Regional Water Board on:	**December 10, 2009**
This Order shall become effective on:	**December 10, 2009**

I, Gerard J. Thibeault, Executive Officer, do hereby certify that this Order No. R8-2009-0046 with all attachments is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Santa Ana Region, on December 10, 2009.

Gerard J. Thibeault, Executive Officer

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I. FACILITY INFORMATION

The following Discharger is authorized to discharge in accordance with the Waste Discharge Requirements set forth in this Order:

Table 4. Facility Information

Discharger	**MHC NAC, Inc.**
Name of Facility	**Wilderness Lakes RV Park Wastewater Treatment Facility**
Facility Address	**30605 Briggs Road**
	Menifee, CA 92584
	Riverside County
Facility Contact, Title, and Phone	**Dave Lions, Manager** **(951) 672-4831**
Mailing Address	**30605 Briggs Road, Menifee, CA 92584**
Type of Facility	**Wastewater Treatment Facility**
Facility Design Flow	**100,000 gallons per day (gpd)**

II. FINDINGS

The California Regional Water Quality Control Board, Santa Ana Region (hereinafter Regional Water Board), finds:

A. **Background.** On April 7, 1995, NACO West of California was issued waste discharge requirements, Order No. 95-2, for waste discharges from the Wilderness Lakes RV Park located at 30605 Briggs Road, Sun City, Riverside County. On February 23, 2009, MHC NAC, Inc. (hereinafter Discharger) informed Regional Water Board staff by letter that MHC NAC, Inc. has acquired ownership of the Wilderness Lakes RV Park, including its wastewater treatment facility (hereinafter Facility), and requested transfer of the waste discharge requirements. The Discharger is currently discharging pursuant to Order No. 95-2. The Discharger submitted a Report of Waste Discharge on April 13, 2009, and applied for reissuance of waste discharge requirements to discharge up to 100,000 gallons per day (gpd) of secondary treated effluent to on-site evaporation/percolation ponds.

B. **Facility Description.** The Facility is an extended aeration packaged wastewater treatment unit that treats domestic wastewater from the Wilderness Lakes RV Park at an average daily flow of about 18,000 gallons per day (gpd). The treatment system consists of two above ground aeration units equipped with fine bubble diffusers, two air-blowers and one secondary clarifier. Secondary treated wastewater is discharged into evaporation/percolation ponds. Waste sludge from the clarifier is currently discharged to an unlined basin where it is dried and then hauled away.

   Attachment B provides a map of the area around the Facility. Attachment C provides a flow schematic of the Facility.

C. **Legal Authorities.** This Order serves as Waste Discharge Requirements (WDRs) pursuant to Article 4, Chapter 4 of the CWC.

D. **Background and Rationale for Requirements.** The requirements in this Order are based on information submitted as part of the application and data from monitoring and reporting programs. Attachment F, which contains background information and rationale for Order requirements, is hereby incorporated into this Order and constitutes part of the Findings for this Order. Attachments A, B, C and E are also incorporated into this Order.

E. **California Environmental Quality Act (CEQA).** The project involves the update of waste discharge requirements for an existing facility and, as such, is exempt from the California Environmental Quality Act (Public Resources Code, Section 21100 et. seq.) in accordance with Section 15301, Chapter 3, Title 14, California Code of Regulations.

F. **Water Quality Control Plans.** The Regional Water Board adopted a revised Water Quality Control Plan for the Santa Ana Region (hereinafter Basin Plan) that became effective on January 24, 1995. The Basin Plan designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters in the Santa Ana Region addressed through the plan.

On January 22, 2004, the Regional Water Board adopted Resolution No. R8-2004-0001, amending the Basin Plan to incorporate revised boundaries for groundwater subbasins, now termed "management zones", new nitrate-nitrogen and TDS objectives for the new management zones, and new nitrogen and TDS management strategies applicable to both surface and ground waters. The State Water Board and Office of Administrative Law (OAL) approved the N/TDS Amendment on September 30, 2004 and December 23, 2004, respectively.

These waste discharge requirements implement relevant, groundwater-related components of the N/TDS Amendment; specifically, the total dissolved solids (TDS) and total inorganic nitrogen (TIN) limitations established in this Order are based on the amended Basin Plan.

The discharge overlies the Menifee Groundwater Management Zone, the beneficial uses of which are as follows:

Table 5. Basin Plan Beneficial Uses

Discharge Point	Receiving Water Name	Beneficial Use(s)
001	Menifee Groundwater Management Zone	Municipal and domestic supply; agricultural supply; and industrial process supply.

The requirements of this Order implement the Basin Plan.

G. **Total Dissolved Solids and Total Inorganic Nitrogen Offset.** The amended Basin Plan includes groundwater water quality objectives for total dissolved solids (TDS) and total inorganic nitrogen (TIN). The Basin Plan recognizes that strict compliance with TDS/TIN limits may be difficult to achieve and it describes the regulatory approach the Regional Board uses to address such situations. The Board incorporates offset provisions in waste discharge requirements whereby Dischargers can implement an approved program to offset TDS/TIN discharges in excess of specified TDS/TIN limits, provided that the Discharger makes all reasonable efforts to improve the TDS/TIN quality of the effluent. This Order allows the Discharger to submit a TDS/TIN offset program for approval by the Executive Officer of the Regional Water Board. Once approved and fully implemented, discharges in excess of expressed TDS/TIN limits will not be considered violations of the Order.

H. **Compliance Schedules and Interim Requirements.**
This Order includes a compliance schedule and an interim TIN effluent limitation. A detailed discussion of the basis for the compliance schedule and interim TIN effluent limitation is included in the Fact Sheet.

I. **Antidegradation Policy.** The State Water Board established California's antidegradation policy in State Water Board Resolution No. 68-16. Resolution No. 68-16 requires that existing quality of waters be maintained unless degradation is justified based on specific findings. As discussed in the Fact Sheet (Attachment F), the permitted discharge is consistent with the antidegradation provisions of State Water Board Resolution No. 68-16.

J. **Monitoring and Reporting.** Section 13267 of the CWC authorizes the Regional Water Boards to require technical and monitoring reports. The Monitoring and Reporting Program establishes monitoring and reporting requirements to implement State requirements. This Monitoring and Reporting Program is provided in Attachment E.

K. **Biosolids Requirements.** On February 19, 1993, the USEPA issued a final rule for the use and disposal of sewage sludge, 40 CFR, Part 503. This rule requires that producers of sewage sludge meet certain reporting, handling, and disposal requirements. The State of California has not been delegated the authority to implement this program, therefore, the U.S. Environmental Protection Agency is the implementing agency.

L. **Notification of Interested Parties.** The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to prescribe Waste Discharge Requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations. Details of notification are provided in the Fact Sheet (Attachment F) of this Order.

M. **Consideration of Public Comment.** The Regional Water Board, in a public meeting, heard and considered all comments pertaining to the discharge. Details of the Public Hearing are provided in the Fact Sheet (Attachment F) of this Order.

IT IS HEREBY ORDERED, that Order No. 95-2 is rescinded upon the effective date of this Order, except for enforcement purposes, and, in order to meet the provisions contained in Division 7 of the California Water Code (CWC) and regulations adopted thereunder, the Discharger shall comply with the requirements in this Order.

III. DISCHARGE PROHIBITIONS

A. Discharge of wastewater at a location or in a manner different from that described in the Findings is prohibited.

B. The bypass or overflow of untreated wastewater or wastes to surface waters or surface water drainage courses is prohibited

C. The discharge of any substances in concentrations toxic to animal or plant life in the affected receiving water is prohibited.

D. The discharge of highly mineralized wastes to the ground is prohibited.

E. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.

F. The discharge of wastewater to any pond with less than eighteen inches of freeboard is prohibited.

G. The discharge of waste sludge to any unlined evaporation/percolation pond is prohibited.

IV. EFFLUENT LIMITATIONS AND DISCHARGE SPECIFICATIONS

A. Effluent Limitations - Discharge Point (DP) 001:

The Discharger shall maintain compliance with the following effluent limitations at Discharge Point 001 with compliance measured at monitoring location M-EFF-001, as described in Attachment E.

1. **Physical/Biological Limitations:** The Discharger shall maintain compliance with the following effluent limitations:

Table 6. Treated Effluent Limitations

Parameter	Units	Effluent Limitations		
		Average Monthly	Instantaneous Minimum	Instantaneous Maximum
Biochemical Oxygen Demand 5-day @ 20°C	mg/L	30	--	--
Total Suspended Solids	"	30	--	--
pH	standard units	--	6.5	8.5

2. **Total Dissolved Solids (TDS) Limitation:** The 12-month flow weighted running average TDS concentrations of the discharge shall not exceed 950 mg/L, unless the Discharger implements an acceptable plan to offset discharges in excess of this limit (see Provision VI.C.2).

3. **Total Inorganic Nitrogen (TIN) Limitations:**

   a. The 12-month flow weighted running average TIN concentration of the discharge shall not exceed 3.7 mg/L unless the Discharger implements an acceptable plan to offset discharges in excess of the TIN limit (see Provision VI.C.2.), or

   b. Provided the Discharger complies with the plan referenced in Provision VI.C.7.a, the 12-month flow weighted running average TIN concentration of the discharge shall not exceed 25 mg/L until full compliance is achieved with Effluent Limitation IV.A.3.a., in accordance with the plan.

B. Reclamation Specifications – Not Applicable

V. RECEIVING WATER LIMITATIONS

A. Surface Water Limitations – Not Applicable

B. Groundwater Limitations

The discharge shall not cause the underlying groundwater to be degraded, to exceed water quality objectives, unreasonably affect beneficial uses, or cause a condition of pollution or nuisance.

VI. PROVISIONS

A. Standard Provisions

1. Failure to comply with provisions or requirements of this Order, or violation of other applicable laws or regulations governing discharges from this facility, may subject the Discharger to administrative or civil liabilities, criminal penalties, and/or other enforcement remedies to ensure compliance. Additionally, certain violations may subject the Discharger to civil or criminal enforcement from appropriate local, state, or federal law enforcement entities.

2. In the event the Discharger does not comply or will be unable to comply for any reason with any prohibition, discharge limitation, or receiving water limitation of this Order, the Discharger shall notify the Regional Water Board by telephone (951) 782-4130 within 24 hours of having knowledge of such noncompliance, and shall confirm this notification in the monthly Self-Monitoring Report, unless the Regional Water Board waives confirmation or requires, orally or in writing, a written notification within five business days. The written notification shall state the nature, time, duration, and cause of noncompliance, and shall describe the measures being taken to remedy the current noncompliance and, prevent recurrence including, where applicable, a schedule of implementation. Other noncompliance requires written notification as above at the time of the normal monitoring report.

3. Neither the treatment nor the discharge of waste shall create, or threaten to create, a nuisance or pollution as defined by Section 13050 of the California Water Code.

4. The Discharger shall maintain a copy of this Order at the site so that it is available to site operating personnel at all times. Key operating personnel shall be familiar with its content.

5. The Discharger shall take all reasonable steps to minimize any adverse impact to receiving waters resulting from noncompliance with any requirements specified in this Order, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

6. The Discharger shall optimize chemical additions needed in the treatment process to meet waste discharge requirements so as to minimize total dissolved solid increases in the treated wastewater.

7. The provisions of this Order are severable, and if any provision of this Order, or the application of any provisions of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order shall not be affected thereby.

8. The Discharger shall file with the Regional Water Board a Report of Waste Discharge at least 140 days before making any material change in the character, location, or volume of the discharge. A material change includes, but is not limited to, the following:

    a. Adding a major industrial waste discharge to a discharge of essentially domestic sewage, or adding a new process or product by an industrial facility resulting in a change in the character of the waste.

    b. Significantly changing the disposal method or location, such as changing the disposal to another drainage area or water body.

    c. Significantly changing the method of treatment.

    d. Increasing the treatment plant design capacity beyond that specified in this Order.

9. Collected screenings, sludge, and other solids removed from liquid wastes shall be disposed of in a manner approved by the Regional Water Board's Executive Officer.

10. In the event of any change in control or ownership of land or waste discharge facility presently owned or controlled by the Discharger, the Discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to the Regional Water Board.

11. The treatment facilities shall be designed, constructed, operated, and maintained to prevent inundation or washout due to floods with a 100-year return frequency.

12. The Regional Board and other authorized representatives shall be allowed:

    a. Entry upon premises where a regulated Facility or activity is located or conducted, or where records are kept under the conditions of this Order;
    b. Access to copy any records that are kept under the conditions of the Order;
    c. To inspect any facility, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
    d. To photograph, sample and monitor for the purpose of assuring compliance with this Order, or as otherwise authorized by the Water Code.

B. Monitoring and Reporting Program Requirements

The Discharger shall comply with the Monitoring and Reporting Program, and future revisions thereto, in Attachment E of this Order. This monitoring and reporting program may be modified by the Executive Officer of the Regional Water Board at any time during the term of this Order, and may include an increase or a reduction in the number of parameters to be monitored, the frequency of the monitoring or the number and size of samples to be collected.

C. Special Provisions

1. Reopener Provisions – Not Applicable

2. Special Studies, Technical Reports and Additional Monitoring Requirements

TDS/TIN Offset: The Discharger may submit a proposed offset program and schedule of implementation for approval by the Executive Officer of the Regional Water Board. The proposed offset program shall include a compliance schedule that assures compliance with effluent limitations and required offsets will be achieved as soon as possible but no later than three years from the date the discharge begins to exceed the TDS and/or TIN limits specified in this Order. Upon approval, the Discharger shall implement the offset program according to the approved schedule. The offset program shall account for TDS/TIN discharges in excess of the limits specified in this Order that occur from the date of adoption of this Order. Should any of the proposed offset mechanisms be discontinued or prove to be inadequate to provide requisite offset(s), the Discharger shall, no later than 30 days of discontinuance of any of the proposed offset program or finding of its inadequacy, propose an alternative offset program for approval by the Executive Officer. The Discharger shall implement the alternative offset program upon approval by the Executive Officer.

3. Best Management Practices and Pollution Prevention – Not Applicable

4. Construction, Operation and Maintenance Specifications

a. The Discharger's wastewater treatment plant shall be supervised and operated by persons possessing certificates of appropriate grade pursuant to Title 23, Division 3, Chapter 14, California Code of Regulations.

b. The Discharger shall provide safeguards to assure that should there be reduction, loss, or failure of electric power, the Discharger will comply with the requirements of this Order.

c. The Discharger shall update as necessary, the "Operation and Maintenance Manual (O&M Manual)" which it has developed for the Facility to conform to latest plant changes and requirements. The O&M Manual shall be readily available to operating personnel onsite. The O&M Manual shall include the following:

1) The table of organization for operation of the Facility showing each employee's duties and qualifications, and plant attendance schedules (daily, weekends and holidays, part-time, etc). This also should include documentation that the personnel are knowledgeable and qualified to operate the Facility so as to achieve the required level of treatment at all times.
2) Detailed description of safe and effective operation and maintenance of treatment processes, process control instrumentation and equipment.
3) Description of laboratory and quality assurance procedures.
4) Process and equipment inspection and maintenance schedules.
5) Description of safeguards to assure that, should there be reduction, loss, or failure of electric power, the Discharger will be able to comply with requirements of this Order.
6) Description of preventive (fail-safe) and contingency (response and cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. These plans shall identify the possible sources (such as loading and storage areas, power outage, waste treatment unit failure, process equipment failure, tank and piping failure) of accidental discharges, untreated or partially treated waste bypass, and polluted drainage.

5. Special Provisions for Wastewater Treatment Facilities

a. Sludge Disposal Requirements

1) Collected screenings, sludge, and other solids removed from liquid wastes shall be disposed of in a manner that is consistent with State Water Board and Integrated Waste Management Board's joint regulations (Title 27) of the California Code of Regulations and approved by the Water Board's Executive Officer.

2) The use and disposal of biosolids shall comply with existing State laws and regulations, including permitting requirements and technical standards.

3) Any proposed change in biosolids use or disposal practice from a previously approved practice should be reported to the Executive Officer at least 90 days in advance of the change.

4) The Discharger shall take all reasonable steps to minimize or prevent any discharge or biosolids use or disposal that has the potential of adversely affecting human health or the environment.

b. Pretreatment Program – Not Applicable

6. **Other Special Provisions – Not Applicable**

7. **Compliance Schedules - DP 001**

   a. By April 1, 2010, the discharger shall submit a plan, acceptable to the Executive Officer of the Regional Water Board, to achieve compliance with the TIN limitation specified in Effluent Limitation IV.A. 3.a. The plan shall include a detailed time schedule of specific actions the Discharger proposes to implement in order to achieve compliance. The Discharger shall fully implement the plan upon approval by the Executive Officer.

   b. Violation(s) of interim effluent limitations are subject to the same enforcement remedies provided in the Water Code for violation(s) of effluent limits.

   c. The Executive Officer may adjust the date of compliance with the final TIN effluent limit for verifiable and unforeseen delays beyond the control of the Discharger.

VII. COMPLIANCE DETERMINATION

Compliance with the effluent limitations contained in Section IV of this Order will be determined as specified below:

A. Average Monthly Effluent Limitation (AMEL).
If the average of daily discharges over a calendar month exceeds the AMEL for a given parameter, an alleged violation will be flagged and the Discharger will be considered out of compliance for each day of that month for that parameter (e.g., resulting in 31 days of non-compliance in a 31-day month). The average of daily discharges over the calendar month that exceeds the AMEL for a parameter will be considered out of compliance for that month only. If only a single sample is taken during the calendar month and the analytical result for that sample exceeds the AMEL, the Discharger will be considered out of compliance for that calendar month. For any one calendar month during which no sample (daily discharge) is taken, no compliance determination can be made for that calendar month.

B. Instantaneous Minimum Effluent Limitation.
If the analytical result of a single grab sample is lower than the instantaneous minimum effluent limitation for a parameter, the Discharger will be considered out of compliance for that parameter for that single sample. Non-compliance for each sample will be considered separately (e.g., the results of two grab samples taken within a calendar day that both are lower than the instantaneous minimum effluent limitation would result in two instances of non-compliance with the instantaneous minimum effluent limitation).

C. Instantaneous Maximum Effluent Limitation.

If the analytical result of a single grab sample is higher than the instantaneous maximum effluent limitation for a parameter, the Discharger will be considered out of compliance for that parameter for that single sample. Non-compliance for each sample will be considered separately (e.g., the results of two grab samples taken within a calendar day that both exceed the instantaneous maximum effluent limitation would result in two instances of non-compliance with the instantaneous maximum effluent limitation).

D. 12-Month Average Effluent Limitation.
Compliance with the 12-month flow weighted running average limits as specified in Discharge Specification IV.A.2. and IV.A.3., above, shall be determined by the arithmetic mean of the last twelve monthly averages.

E. Compliance Determination
Compliance determinations shall be based on available analyses for the time interval associated with the effluent limitation. Where only one sample analysis is available in a specified time interval (e.g., monthly average), that sample shall serve to characterize the discharge for the entire interval. If quarterly sample results show noncompliance with the average monthly limit and that sample result is used for compliance determinations for each month of the quarter, then three separate violations of the average monthly limit shall be deemed to have occurred.

ATTACHMENT A – DEFINITIONS

Average Monthly Effluent Limitation (AMEL): the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

Daily Discharge: Daily Discharge is defined as either: (1) the total mass of the constituent discharged over the calendar day (12:00 am through 11:59 pm) or any 24-hour period that reasonably represents a calendar day for purposes of sampling (as specified in the permit), for a constituent with limitations expressed in units of mass or; (2) the unweighted arithmetic mean measurement of the constituent over the day for a constituent with limitations expressed in other units of measurement (e.g., concentration).

The daily discharge may be determined by the analytical results of a composite sample taken over the course of one day (a calendar day or other 24-hour period defined as a day) or by the arithmetic mean of analytical results from one or more grab samples taken over the course of the day.

Existing Discharger means any discharger that is not a new discharger. An existing discharger includes an "increasing discharger" (i.e., an existing facility with treatment systems in place for its current discharge that is or will be expanding, upgrading, or modifying its existing permitted discharge after the effective date of this Policy).

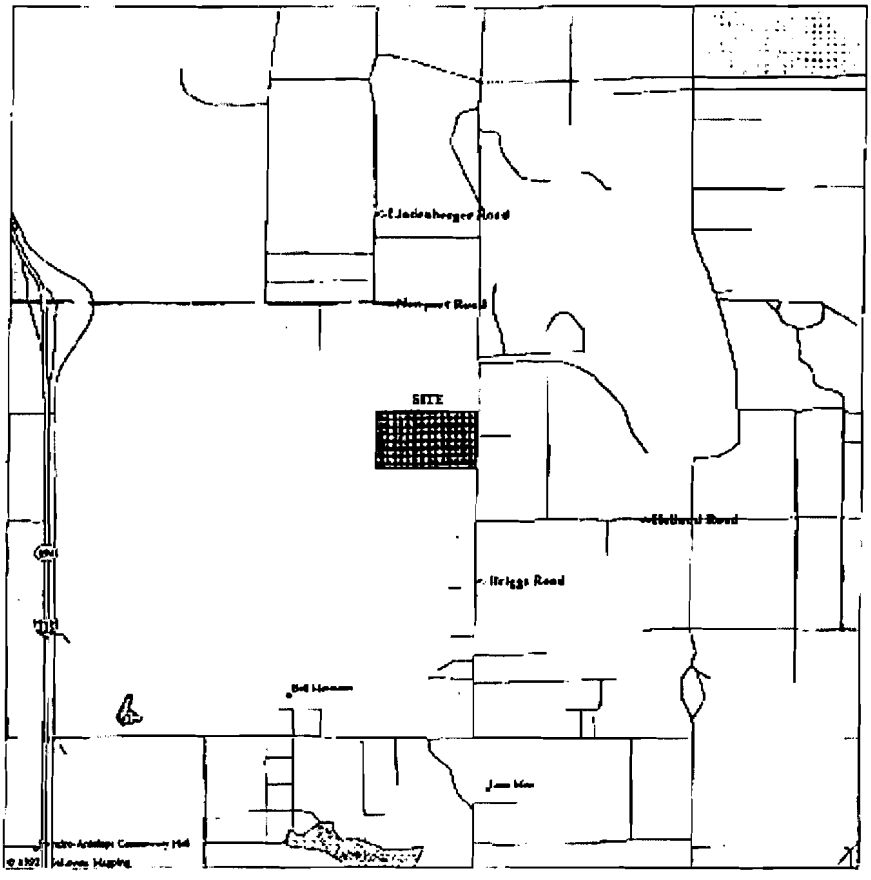
A "grab" sample is defined as any individual sample collected in less than 15 minutes.

A composite sample is defined as a combination of no fewer than eight individual grab samples obtained over the specified sampling period. The volume of each individual grab sample shall be proportional to the discharge flow rate at the time of sampling. The compositing period shall equal the specific sampling period, or 24 hours, if no period is specified.

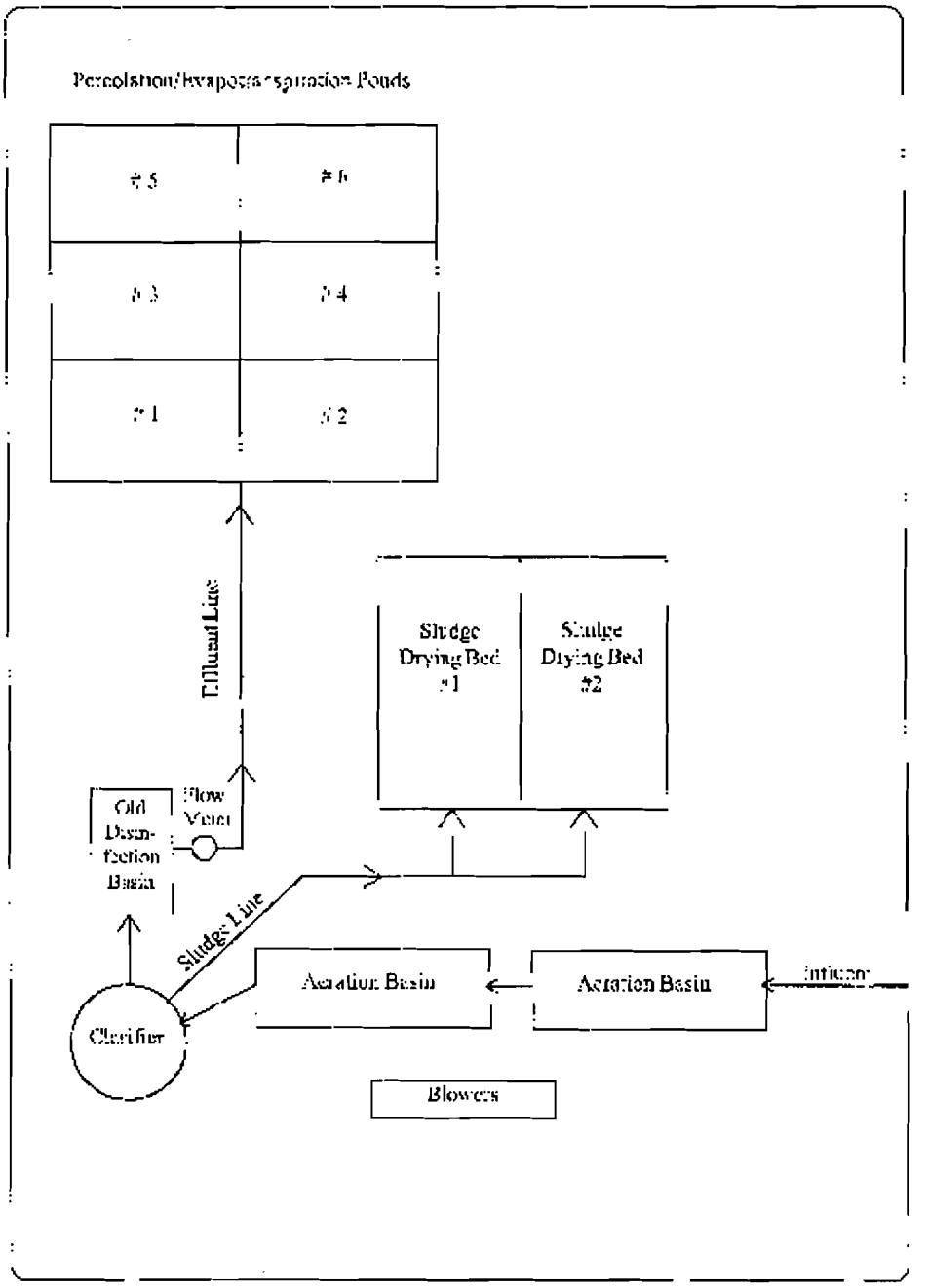
New Discharger includes any building, structure, facility, or installation from which there is, or may be, a discharge of pollutants, the construction of which commenced after the effective date of this Policy.

12-Month Average Effluent Limitation: the highest allowable average of monthly discharges over last twelve months, calculated as the sum of all monthly discharges measured during last twelve months divided by the number of monthly discharges measured during that time period.

ATTACHMENT B – VICINITY MAP



ATTACHMENT C – FLOW DIAGRAM



ATTACHMENT E – MONITORING AND REPORTING PROGRAM

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ATTACHMENT E – MONITORING AND REPORTING PROGRAM (MRP)

California Water Code Section 13267 authorizes the Regional Water Board to require technical and monitoring reports. This MRP establishes monitoring and reporting requirements that implement California regulations.

I. GENERAL MONITORING PROVISIONS

A. All sampling, sample preservation, and analytical procedures shall be in accordance with the current edition of "Standard Methods for the Examination of Water and Wastewater" (American Public Health Association), unless otherwise approved by the Executive Officer of the Regional Water Board.

B. Chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the California Department of Public Health in accordance with the provision of Water Code Section 13176 or at laboratories approved by the Executive Officer of the Regional Water Board.

C. The flow measurement system shall be calibrated at least once per year or more frequently, to ensure continued accuracy.

D. All monitoring instruments and devices used by the Discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy. In the event that continuous monitoring equipment is out of service for greater than a 24-hour period, the Discharger shall obtain a representative grab sample each day the equipment is out of service. The Discharger shall correct the cause(s) of failure of the continuous monitoring equipment as soon as practicable. In its monitoring report, the Discharger shall specify the period(s) during which the equipment was out of service and if the problem has not been corrected, shall identify the steps which the Discharger is taking or proposes to take to bring the equipment back into service and the schedule for these actions.

E. Monitoring and reporting shall be in accordance with the following:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The monitoring and reporting of influent, effluent, and sludge shall be done more frequently as necessary to maintain compliance with this Order and or as specified in this Order.
3. Whenever the Discharger monitors any pollutant at a specified monitoring location more frequently than is required by this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the discharge monitoring report specified by the Executive Officer.

4. A "grab" sample is defined as any individual sample collected in less than 15 minutes.
5. A composite sample is defined as a combination of no fewer than eight individual grab samples obtained over the specified sampling period. The volume of each individual grab sample shall be proportional to the discharge flow rate at the time of sampling. The compositing period shall equal the specific sampling period, or 24 hours, if no period is specified.
6. 24-hour composite samples shall be collected continuously during a 24-hour operation of the facility.
7. Daily samples shall be collected on each day of the week.
8. Monthly samples shall be collected on any representative day of each month.
9. Annual priority pollutant samples shall be collected in December.

II. MONITORING LOCATIONS

The Discharger shall establish the following monitoring locations to demonstrate compliance with the effluent limitations, discharge specifications, and other requirements in this Order:

Table 1. Monitoring Station Locations

Discharge Point Name	Monitoring Location Name	Monitoring Location Description	Latitude	Longitude
Influent	M-INF	Influent to Aeration Unit	33 ° 40' 37"	117 ° 8' 27"
DP 001	M-001	Effluent to Storage Ponds	33 ° 40' 37"	117 ° 8' 27"
Potable	M-POT	Water Supply	33 ° 40' 37"	117 ° 8' 27"

III. INFLUENT MONITORING REQUIREMENTS

A. Monitoring Location M-INF

1. The Discharger shall monitor influent at M-INF as follows:

Table 2. Influent Monitoring

Parameter	Units	Sample Type	Minimum Sampling & Testing Frequency
Flow	mgd	Recorder/Totalizer	Continuous
BOD	mg/L	Composite	Weekly
Suspended Solids	"	"	"
Total Dissolved Solids	"	"	Quarterly
Total Inorganic Nitrogen	"	"	"
Total Hardness	"	"	"
Flouride	"	"	"
Chloride	"	"	"
Boron	"	"	"
Sulfate	"	"	"
Sodium	"	"	"

IV. EFFLUENT MONITORING REQUIREMENTS - MONITORING LOCATION M-EFF-001

1. The Discharger shall monitor effluent at M-001 as follows:

Table 3. Effluent Monitoring

Parameter	Units	Sample Type	Minimum Sampling & Testing Frequency
Flow	mgd	Recorder/Totalizer	Continuous
BOD	mg/L	Composite	3 days per week
Total Suspended Solids	mg/L	"	"
Total Dissolved Solids	"	"	Monthly
Total Inorganic Nitrogen	"	"	"
Total Hardness	"	"	Annually
Fluoride	"	"	"
Chloride	"	"	"

Table 3. Effluent Monitoring

Parameter	Units	Sample Type	Minimum Sampling & Testing Frequency
Sodium	"	"	Annually
Sulfate	"	"	"
Boron	"	"	"
EPA Priority Pollutants (Attachment G)	"	"	Once during the first year and once every five years, thereafter (see IV.2., below)

2. The monitoring frequency for those pollutants that are detected during the required monitoring at a concentration greater than the CDPH approved reporting level (see Attachment G) shall be accelerated to quarterly. To return to the monitoring frequency specified, the Discharger shall request and receive approval from the Regional Water Board's Executive Officer or designee.

V. RECLAMATION MONITORING REQUIREMENTS – NOT APPLICABLE

VI. RECEIVING WATER MONITORING REQUIREMENTS – SURFACE WATER AND GROUNDWATER- NOT APPLICABLE

VII. OTHER MONITORING REQUIREMENTS

A. Water Supply Monitoring

A sample of each source of the water supplied to the sewered area shall be obtained in August of each year and analyzed for the following constituents:

Table 4. Water Supply Monitoring

Specific Conductance	Total Dissolved Solids	pH
Sodium	Total Hardness	Bicarbonate
Chloride	Nitrate	Boron
Calcium	Fluoride	Sulfate
Magnesium	Potassium	------

All of the above constituents shall be expressed in "mg/L" except specific conductance and pH, which shall be expressed in "micromhos/cm" and "pH units," respectively.

Monthly reports shall be submitted stating the amount of water (in percentage or acre-feet) supplied to the sewered area from each source of water and the resulting flow-weighted water supply quality for total dissolved solids, chloride, sulfate, sodium, and total hardness.

B. Biosolids Monitoring

The Discharger shall maintain a permanent log of solids hauled away from the treatment facilities for use/disposal elsewhere, including the date hauled, the volume or weight (in dry tons), type (screening, grit), and destination. This information shall be reported annually.

C. Stormwater Monitoring – Not Applicable

D. TDS/TIN Offset Program (Mitigation Plan) Monitoring and Reporting

This section is only applicable if the Discharger chooses to implement an acceptable offset program.

Starting on the effective date of this Order, the Discharger shall account for all TDS/TIN mass discharges that exceed the TDS and/or TIN effluent limitations. The Discharger shall report the total mass of salt removed pursuant to the offset program to demonstrate whether offset requirements are being met. Each quarter, the Discharger shall report the running balance of salt mass discharges compared to TDS/TIN mass removal. If offset is not occurring during the quarterly monitoring period, the quarterly report shall so state and identify when the offset will be achieved.

VIII. REPORTING REQUIREMENTS

A. Reporting Requirements

1. All analytical data shall be reported with method detection limit[1] (MDLs) and with identification of either reporting level, or limits of quantitation (LOQs) and must include quality assurance/quality control data with their reports.

2. Laboratory data for effluent samples must quantify each constituent down to the approved reporting levels for specific constituents. Any internal quality control data associated with the sample must be reported when requested by the Executive Officer. The Regional Water Board will reject the quantified laboratory data if quality control data are unavailable or unacceptable.

3. Discharge monitoring data shall be submitted in a format acceptable by the Regional Water Board. Specific reporting format may include preprinted forms and/or electronic media. The results of all monitoring required by this Order shall be reported to the Regional Water Board, and shall be submitted in such a format as to allow direct comparison with the limitations and requirements of this order.

4. The Discharger shall tabulate the monitoring data to clearly illustrate compliance and/or noncompliance with the requirements of the Order.

5. For every item of monitoring data where the requirements are not met, the monitoring report shall include a statement discussing the reasons for noncompliance, and of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time, and an estimate of the date when the Discharger will be in compliance. The Discharger shall notify the Regional Water Board by letter when compliance with the time schedule has been achieved.

6. The monthly reports for June and December shall include a roster of plant personnel, including job titles, duties, and level of State certification for each individual.

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1 The standardized test procedure to be used to determine the method detection limit (MDL) is given at Appendix B, "Definition and Procedure for the Determination of the Method Detection Limit" of 40 CFR 136.

7. If required to be measured, the Discharger shall report monitoring results for specific parameters in accordance with the following table, unless otherwise specified:

Table 5. Reporting Requirements

Parameter	Measurement
Flow	Daily total flow
pH	Daily high and daily low
Electrical Conductivity	Daily High
Turbidity	Daily maximum

8. The Discharger shall file a written report with the Regional Board within ninety (90) days after the average dry-weather waste flow for any month equals or exceeds 75 percent of the design capacity of the waste treatment and/or disposal facilities. The Discharger's senior administrative officer shall sign a letter that which transmits that report and certifies that the policy making body is adequately informed about it. The report shall include:

   a. Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for the day.

   b. The Discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of the treatment facilities.

   c. The Discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for the waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units.

9. The discharger shall assure that records of all monitoring information are maintained and accessible for a period of at least five years from the date of the sample, report, or application. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or by the request of the Regional Board at any time. Records of monitoring information shall include:

   a. The date, exact place, and time of sampling or measurements;
   b. The individual(s) who performed the sampling, and/or measurements;
   c. The laboratory which performed the analyses;
   d. The date(s) analyses were performed;
   e. The individual(s) who performed the analyses;

f. The analytical techniques or methods used, including any modification to those methods;

g. All sampling and analytical results, including

   i. units of measurement used;
   ii. minimum reporting limit for the analysis (minimum level);
   iii. results less than the reporting limit but above the method detection limit (MDL);
   iv. data qualifiers and a description of the qualifiers;
   v. quality control test results (and a written copy of the laboratory quality assurance plan);
   vi. dilution factors, if used; and
   vii. sample matrix type.

h. All monitoring equipment calibration and maintenance records;

i. All original strip charts from continuous monitoring devices;

j. All data used to complete the application for this Order; and,

k. Copies of all reports required by this Order.

l. Electronic data and information generated by the Supervisory Control And Data Acquisition (SCADA) System.

10. All reports and/or information submitted to the Regional Board shall be signed by a responsible officer or duly authorized representative of the discharger and shall be submitted under penalty of perjury.

B. Self Monitoring Reports (SMRs)

1. At any time during the term of this waste discharge requirements, the State or Regional Water Board may notify the Discharger to electronically submit Self-Monitoring Reports (SMRs) using the Water Board's California Integrated Water Quality System (CIWQS) Program Web site (http://www.waterboards.ca.gov/water_issues/programs/ciwqs/). Until such notification is given, the Discharger shall submit hard copy SMRs in accordance with the requirements described in subsection B.5 below. The CIWQS Web site will provide additional directions for SMR submittal in the event there will be service interruption for electronic submittal.

2. The Discharger shall report in the SMR the results for all monitoring specified in this MRP. The Discharger shall submit monthly, quarterly, and annual SMRs including the results of all required monitoring using approved test methods or other test methods specified in this Order. If the Discharger monitors any pollutant more frequently than required by this Order, the results of this monitoring shall be included in the calculations and reporting of the data submitted in the SMR.

3. Monitoring periods and reporting for all required monitoring shall be completed according to the following schedule:

Table 6. Monitoring and Reporting Schedule

Sampling Frequency	Monitoring Period Begins On	Monitoring Period	SMR Due Date
Continuous	December 10, 2009	All	Submit with monthly SMR
Daily	December 10, 2009	(Midnight through 11:59 PM) or any 24-hour period that reasonably represents a calendar day for purposes of sampling.	Submit with monthly SMR
Monthly	December 28, 2009	1st day of calendar month through last day of calendar month	30 days from the end of the monitoring period
Quarterly	January 12, 2010	January 1 through March 31, April 1 through June 30, July 1 through September 30, October 1 through December 31	30 days from the end of the monitoring period
Annually	December 10, 2009	January 1 through December 31	30 days from the end of the monitoring period

4. Reporting Protocols. The Discharger shall report with each sample result the applicable Reporting Level (RL) and the current Method Detection Limit (MDL), as determined by the procedure in 40 CFR Part 136.

   The Discharger shall report the results of analytical determinations for the presence of chemical constituents in a sample using the following reporting protocols:

   a. Sample results greater than or equal to the RL shall be reported as measured by the laboratory (i.e., the measured chemical concentration in the sample).

   b. Sample results less than the RL, but greater than or equal to the laboratory's MDL, shall be reported as "Detected, but Not Quantified," or DNQ. The estimated chemical concentration[2] of the sample shall also be reported.

      For the purposes of data collection, the laboratory shall write the estimated chemical concentration next to DNQ as well as the words "Estimated Concentration" (may be shortened to "Est. Conc."). The

2 See definition in Attachment "A"

laboratory may, if such information is available, include numerical estimates of the data quality for the reported result. Numerical estimates of data quality may be percent accuracy (± a percentage of the reported value), numerical ranges (low to high), or any other means considered appropriate by the laboratory.

c. Sample results less than the laboratory's MDL shall be reported as "Not Detected," or ND.

d. The Discharger is to instruct laboratories to establish calibration standards so that the RL value (or its equivalent if there is differential treatment of samples relative to calibration standards) is the lowest calibration standard. At no time is the Discharger to use analytical data derived from extrapolation beyond the lowest point of the calibration curve.

5. The Discharger shall submit SMRs in accordance with the following requirements:

   a. The Discharger shall arrange all reported data in a tabular format. The data shall be summarized to clearly illustrate whether the Facility is operating in compliance with interim and/or final effluent limitations. The Discharger is not required to duplicate the submittal of data that is entered in a tabular format within CIWQS. When electronic submittal of data is required and CIWQS does not provide for entry into a tabular format within the system, the Discharger shall electronically submit the data in a tabular format as an attachment.

   b. The Discharger shall attach a cover letter to the SMR. The information contained in the cover letter shall clearly identify violations of the WDRs; discuss corrective actions taken or planned; and the proposed time schedule for corrective actions. Identified violations must include a description of the requirement that was violated and a description of the violation.

   c. SMRs must be submitted to the Regional Water Board, signed and certified under penalty of perjury to the address listed below:

      California Regional Water Quality Control Board
      Santa Ana Region
      3737 Main Street, Suite 500
      Riverside, CA 92501-3348

6. By January 30 of each year, the Discharger shall submit an annual report to the Regional Water Board. The annual report shall include the following:

   a. Tabular and graphical summaries of the monitoring data obtained during the previous year;

b. A discussion of the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the waste discharge requirements;

c. A summary of the quality assurance (QA) activities for the previous year; and

d. For pollutant constituents that do not have effluent limitations but are required to be monitored, the Discharger shall evaluate the monitoring data obtained during the previous year and determine whether detected constituents are at levels that would warrant reopening the waste discharge requirements to include effluent limitations for such constituent(s). To conduct this evaluation, the concentration of detected constituents shall be compared to the primary and secondary maximum contaminant levels for drinking water by the California Department of Public Health.

D. Other Reports – Site Spills

1. In accordance with the requirements of Health and Safety Code section 5411.5, the Discharger shall provide notification to the local health officer or the director of environmental health with jurisdiction over the affected water body of any unauthorized release of sewage or other waste that causes, or probably will cause, a discharge to any waters of the state.

2. In accordance with the requirements of Water Code section 13271, the Discharger shall provide notification to the California Emergency Management Agency of the release of reportable amounts of hazardous substances or sewage that causes, or probably will cause, a discharge to any waters of the state. The California Code of Regulations, Title 23, section 2250, defines a reportable amount of sewage as being 1,000 gallons. The phone number for reporting these releases to the California Emergency Management Agency is (800) 852-7550.

3. The Discharger shall notify the Regional Water Board of any unauthorized release of sewage from its wastewater treatment plant that causes, or probably will cause, a discharge to a water of the state as soon as possible, but not later than two (2) hours after becoming aware of the release. This notification does not need to be made if the Discharger has notified the California Emergency Management Agency. The phone number for reporting these releases of sewage to the Regional Water Board is (951) 782-4130. At a minimum, the following information shall be provided:

   (a) The location, date, and time of the release.

   (b) The water body that received or will receive the discharge.

(c) An estimate of the amount of sewage or other waste released and the amount that reached a surface water at the time of notification.

(d) If ongoing, the estimated flow rate of the release at the time of the notification.

(e) The name, organization, phone number and email address of the reporting representative.

4. As soon as possible, but not later than twenty four (24) hours after becoming aware of an unauthorized discharge of sewage or other waste from its wastewater treatment plant to a water of the state, the Discharger shall submit a statement to the Regional Water Board by email at spillreportR8@waterboards.ca.gov. If the discharge is 1,000 gallons or more, this statement shall certify that the California Emergency Management Agency has been notified of the discharge in accordance with Water Code section 13271. The statement shall also certify that the local health officer or director of environmental health with jurisdiction over the affected water bodies has been notified of the discharge in accordance with Health and Safety Code section 5411.5. The statement shall also include at a minimum the following information:

(a) Agency and Order No.

(b) The location, date, and time of the discharge.

(c) The water body that received the discharge.

(d) A description of the level of treatment of the sewage or other waste discharged.

(e) An initial estimate of the amount of sewage or other waste released and the amount that reached a surface water.

(f) The Office of Emergency Services control number and the date and time that notification of the incident was provided to the Office of Emergency Services.

(g) The name of the local health officer or director of environmental health representative notified (if contacted directly); the date and time of notification; and the method of notification (e.g., phone, fax, email).

ATTACHMENT F – Fact Sheet

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ATTACHMENT F – Fact Sheet

As described in Section II of this Order, this Fact Sheet includes the legal requirements and technical rationale that serve as the basis for the requirements of this Order.

This Order has been prepared under a standardized format to accommodate a broad range of discharge requirements for Dischargers in California. Only those sections or subsections of this Order that are specifically identified as "non applicable" have been determined not to apply to this Discharger. Sections or subsections of this Order not specifically identified as "not applicable" are fully applicable to this Discharger.

I. ORDER INFORMATION

The following table summarizes administrative information related to the facility.

Table 1. Facility Information

WDID	**8 332199001**
Discharger	**MHC NAC, Inc.**
Name of Facility	**Wilderness Lakes RV Park Wastewater Treatment Facility**
Facility Address	**30605 Briggs Road**
	Menifee, CA 92584
	Riverside County
Facility Contact, Title and Phone	**Dave Lions, Manager** **(951) 672-4831**
Authorized Person to Sign and Submit Reports	**Dave Lions, Manager**
Mailing Address	**30605 Briggs Road, Menifee, CA 92584**
Billing Address	**2 N. Riverside Plaza, Suite 800, Chicago, IL 60606**
Type of Facility	**Wastewater Treatment Facility**
Threat to Water Quality	**2**
Complexity	**B**
Pretreatment Program	**N**
Reclamation Requirements	**N**
Facility Permitted Flow	**100,000 gpd**
Facility Design Flow	**100,000 gpd**
Watershed	**San Jacinto River**
Receiving Water	**Menifee Groundwater Management Zone**
Receiving Water Type	**Groundwater**

A. On April 7, 1995, NACO West of California was issued waste discharge requirements, Order No. 95-2, for waste discharges from the Wilderness Lakes RV Park located at 30605 Briggs Road, Sun City, Riverside County. On February 23, 2009, MHC NAC, Inc. (hereinafter Discharger) informed Regional Water Board staff by letter that MHC NAC, Inc. had acquired ownership of the Wilderness Lakes RV Park, including its wastewater treatment facility (hereinafter Facility).

B. The Discharger filed a report of waste discharge and submitted an application for renewal of the Waste Discharge Requirements on April 13, 2009 to discharge up to 100,000 gallons per day (gpd) of secondary treated wastewater to on-site evaporation/percolation ponds. A site visit was conducted by Regional Water Board staff on July 8, 2009 to observe operations and collect additional data to develop the waste discharge requirements.

II. FACILITY DESCRIPTION

A. Description of Wastewater and Biosolids Treatment or Control

The Wilderness Lakes RV Park is spread over 80 acres and has about 523 rental spaces. Past flow data submitted by the current and previous Dischargers indicates that the park generates a maximum daily flow of approximately 25,000 gallons per day of domestic wastewater. Wastewater is collected at four separate lift stations and then directed to the Facility which is an extended aeration package treatment plant. The treatment system consists of two above ground aeration units equipped with fine bubble diffusers, two air-blowers, and one secondary clarifier. Secondary treated wastewater is discharged into evaporation/percolation ponds. Waste sludge from the clarifier is currently discharged to an unlined basin where it is dried and then hauled offsite for proper disposal.

B. Discharge Points and Receiving Waters

The Discharger is authorized to discharge from the discharge points set forth below:

Discharge Point	Effluent Description	Discharge Point Latitude	Discharge Point Longitude	Disposal Site
001	Secondary treated effluent	33 ° 40' 37"	117 ° 8' 27"	On-site evaporation/percolation ponds

C. Summary of Existing Requirements and Self-Monitoring Report (SMR) Data

1. Effluent limitations contained in the previous Order 95-2 are as follows:

Parameter	Units	30-Day Average Conc.	12-Month Average. Conc.	Instantaneous Minimum	Instantaneous Maximum
Biochemical Oxygen Demand 5-day @ 20°C	mg/L	30	--	--	--
Total Suspended Solids	"	30	--	--	--
Total Dissolved Solids	"	--	950	--	--
pH[1]	standard units	--	--	6.5	8.5
Total Hardness	mg/l	--	365	--	--
Boron	"	--	0.75	--	--
Chloride	"	--	160	--	--
Fluoride	"	--	1.0	--	--
Sodium	"	--	175	--	--
Sulfate	"	--	340	--	--

[1] See Section VII.F. – Compliance Determination.

2. Self-Monitoring Report (SMR) Data for previous Order 95-2 are as follows:

Effluent Monitoring Data from 2005 - February 2009

Parameter	2005		2006		2007		2008		2009	
	Maximum Conc.	# of Violations	Maximum Conc.	# of Violations	Maximum Conc.	# of Violations	Maximum Conc.	# of Violations	Maximum Conc.	# of Violations
TDS	776	-	784	-	754	-	842	-	812	-
TDS, Incremental	237	-	271	4	353	12	382	12	304	1
BOD	28	-	42	3	26	-	70	3	202	2
TSS	34	1	37	2	17	-	48	2	158	2
pH	7.8	-	8.2	0	7.8	-	7.8	-	7.6	-
TH	237	-	238	-	220	-	262	-	262	-
Boron	0.73	-	0.74	-	0.57	-	0.68	-	0.56	-
Chloride	172	3	182	6	173	4	173	4	154	-
Fluoride	0.25	-	0.23	-	0.22	-	0.35	-	0.42	-
Sodium	143	-	150	-	142	-	157	-	155	-
Sulfate	183	-	193	-	162	-	167	-	152	-

D. Compliance Summary

Based on a review of effluent monitoring data submitted by the Discharger, the wastewater discharged from the Facility was in violation of the BOD limit on several occasions during 2006, 2008 and 2009. The total suspended solids limit was also exceeded on several occasions during 2005, 2006, 2008, and 2009. The discharge was also frequently in violation of the TDS incremental limit during 2006, 2007, 2008, and 2009. The limit for chloride was also occasionally exceeded in 2005, 2006, 2007, and 2008.

E. Planned Changes – Not Applicable

III. APPLICABLE PLANS, POLICIES, AND REGULATIONS

The requirements contained in the proposed Order are based on the requirements and authorities described in this section.

A. Legal Authorities

This Order serves as Waste Discharge Requirements pursuant to Article 4, Chapter 4 of the California Water Code.

B. California Environmental Quality Act (CEQA)

The project involves the update of waste discharge requirements for an existing facility and, as such, is exempt from the California Environmental Quality Act (Public Resources Code, Section 21100 et. seq.) in accordance with Section 15301, Chapter 3, Title 14, California Code of Regulations.

C. State Regulations, Policies, and Plans

1. **Water Quality Control Plans.** The Regional Water Board adopted a Water Quality Control Plan for the Santa Ana Basin (hereinafter Basin Plan) that became effective on January 24, 1995. The Basin Plan designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan.

On January 22, 2004, the Regional Water Board adopted Resolution No. R8-2004-0001, amending the Basin Plan to incorporate revised boundaries for groundwater subbasins, now termed "management zones", new nitrate-nitrogen and TDS objectives for the new management zones, and new nitrogen and TDS management strategies applicable to both surface and ground waters. The State Water Board and Office of Administrative Law (OAL) approved the N/TDS Amendment on September 30, 2004 and December 23, 2004, respectively. Accordingly, these waste discharge requirements implement relevant, groundwater-related components of the N/TDS Amendment. Specifically, the total dissolved solids (TDS) and total inorganic nitrogen (TIN) limitations established in this Order are based on the amended Basin Plan.

The discharge overlies the Menifee Groundwater Management Zone, the beneficial uses of which are as follows:

Discharge Point	Receiving Water Name	Beneficial Use(s)
001	Menifee Groundwater Management Zone	Municipal and domestic supply; agricultural supply; and industrial process supply.

The requirements of this Order implement the Santa Ana Region Water Quality Control Plan.

2. **Antidegradation Policy.** The State Water Board established California's antidegradation policy in State Water Board Resolution No. 68-16. Resolution No. 68-16 requires that existing quality of waters be maintained unless degradation is justified based on specific findings. The Regional Water Board's Basin Plan implements, and incorporates by reference the State antidegradation policies. The permitted discharge is consistent with the antidegradation provisions of State Water Board Resolution No. 68-16.

3. **Monitoring and Reporting Requirements**. Section 13267 of the California Water Code authorizes the Regional Water Board to require technical and monitoring reports. The Monitoring and Reporting Program provided in Attachment E establishes monitoring and reporting requirements to implement State requirements.

IV. RATIONALE FOR EFFLUENT LIMITATIONS AND DISCHARGE SPECIFICATIONS

A. Discharge Prohibitions

The discharge prohibitions are based on the Basin Plan, State Water Resources Control Board's plans and policies, and previous waste discharge requirements and are consistent with the requirements set for other discharges regulated by other waste discharge requirements adopted by the Regional Water Board.

B. Technology-Based Effluent Limitations

The average monthly limit for Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS) is based on the minimum level of effluent quality attainable by secondary treatment established for municipal treatment plants by federal regulations. The following limits apply:

Constituent	Average Monthly
Biochemical Oxygen Demand	30 mg/L
Suspended Solids	30 mg/L

C. Water Quality-Based Effluent Limitations (WQBELs) For Land Disposal

4. Applicable Water Quality Criteria and Objectives for DP 001

The Basin Plan specifies narrative and numeric water quality objectives applicable to this discharge.

Summary of Applicable Basin Plan Water Quality Objectives	
Constituents	**Basis for Limitations**
Hydrogen Ion (pH)	Hydrogen Ion (pH) is a measure of Hydrogen Ion concentration in the water. As specified in the previous waste discharge requirements, a pH range of 6.5 to 8.5 is also specified in this Order.
Total Dissolved Solids	High levels of TDS can adversely impact beneficial uses of the affected groundwater. The TDS water quality objective for the Menifee GMZ is 1020 mg/l.

Summary of Applicable Basin Plan Water Quality Objectives	
Constituents	**Basis for Limitations**
Total Inorganic Nitrogen	Nitrogen discharges pose a threat to the beneficial uses of the affected groundwater. The nitrate-nitrogen water quality objective for the Menifee GMZ is 2.8 mg/l.

a. TDS: The TDS water quality objective for the Menifee GMZ is 1050 mg/l. The ambient TDS concentration is greater than the objective. Therefore, there is no assimilative capacity for TDS in this management zone. Consequently, discharges in excess of the objective cannot be permitted.

b. TIN: The nitrate-nitrogen water quality objective for the Menifee GMZ is 2.8 mg/l. The ambient nitrate concentration is greater than the objective. Therefore, there is no assimilative capacity for nitrate in this management zone. Consequently, discharges to the groundwater in excess of the objective cannot be permitted. However, the Basin Plan recognizes that there is a nitrogen loss as wastewater percolates through the soil column and assigns a region-wide minimum nitrogen a loss coefficient of 25% for all discharges.

c. Salt offset program: The Basin Plan recognizes that strict compliance with TDS/TIN limits may be difficult to achieve and it describes the regulatory approach the Regional Water Board uses to address such situations. The Regional Water Board incorporates offset provisions in waste discharge requirements whereby Dischargers can implement an approved program to offset TDS/TIN discharges in excess of specified TDS/TIN limits, provided that the Discharger makes all reasonable efforts to improve the TDS/TIN quality of the water supply (and thereby, the wastewater).

d. Total coliform bacteria – Not Applicable

e. CTR and SIP – Not Applicable

5. Determining the Need for WQBELs – Not Applicable

6. WQBEL Calculations – Not Applicable

7. Whole Effluent Toxicity (WET) – Not Applicable

D. Best Professional Judgment – Not Applicable

E. Summary of Effluent Limitations

1. BOD/TSS/pH

Parameter	Units	Effluent Limitations			
		Average Monthly	Maximum Daily	Instantaneous Minimum	Instantaneous Maximum
Biochemical Oxygen Demand 5-day @ 20°C	mg/L	30	--	--	--
Total Suspended Solids	"	30	--	--	--
pH	standard units	--	--	6.5	8.5

2. TDS Limitation - The Order requires the Discharger to comply with a 12-month flow weighted running average TDS limit of 950 mg/L, unless the Discharger satisfies certain conditions (See Effluent Limitations and Discharge Specifications IV.A.3.). This limit was specified in the previous waste discharge requirements for the Facility and is more restrictive than the water quality objective for the Menifee GMZ. In accordance with the antidegradation policy, this Order continues the more restrictive 950 mg/l TDS limit for discharges from the Facility.

3. TIN Limitations – The Order contains a 12-month flow weighted running average total inorganic nitrogen (TIN) limit of 3.7 mg/l (See Effluent Limitations and Discharge Specifications IV.A.4.). The limit is derived through equations specified in the Basin Plan using the 2.8 mg/l nitrate-nitrogen objective and a 25% nitrogen loss coefficient.

4. The Regional Water Board has determined that it is not practicable to express TDS and TIN effluent limitations as average weekly and average monthly effluent limitations because the TDS and TIN objectives in the Basin Plan were established primarily to protect the underlying groundwater. Consequently, a 12-month flow weighted average concentration is more appropriate.

F. Interim Effluent Limitations

This Order specifies a time schedule for the Discharger to achieve compliance with the 3.7 mg/l TIN effluent limit. In the interim, the Discharger is required to meet a TIN effluent limitation of 25 mg/L. This limit is based on best professional judgment and is consistent with the current quality of the effluent.

G. Land Discharge Specifications – Not Applicable

H. Reclamation Specifications – Not applicable

V. RATIONALE FOR RECEIVING WATER LIMITATIONS

A. Surface Water (Not applicable)

B. Groundwater

The receiving water limitations are based on the Basin Plan, State Water Resources Control Board's plans and policies, and previous waste discharge requirements and are consistent with the requirements set for other discharges regulated by other waste discharge requirements adopted by the Regional Water Board.

VI. RATIONALE FOR MONITORING AND REPORTING REQUIREMENTS

Section 13267 of the California Water Code authorizes the Regional Water Board to require technical and monitoring reports. The Monitoring and Reporting Program, Attachment E of this Order, establishes monitoring and reporting requirements to implement federal and state requirements. The following provides the rationale for the monitoring and reporting requirements contained in the Monitoring and Reporting Program for this Facility.

A. Influent Monitoring

Influent monitoring is required to determine the effectiveness of the treatment process, assess treatment plant performance and protect treatment operation.

B. Effluent Monitoring

To determine compliance with effluent limitations, all parameters established in this Order must be monitored and tested.

C. Other Monitoring Requirements

1. **Water Supply Monitoring** - The Discharger will be required to collect an annual sample of each source of water supplied and have it analyzed for total dissolved solids. The results of this monitoring will be used to determine possible sources of any violations of the TDS limitation in the Order, as well as to determine if an unreasonable amount of salinity is being added through the use of the water.

2. **Biosolids Monitoring** - The Discharger is required to monitor the quantity of biosolids hauled offsite and the location(s) of disposal.

3. **Pretreatment Monitoring** – Not Applicable since the treatment plant capacity is less than 5 million gallons per day.

D. Reporting Requirements

Site Spill Reporting: These requirements are based on the State Water Resources Control Board Order No. WQ-2006-0003 for municipal wastewater treatment plants that are operating within the Santa Ana Regional Board. These reporting requirements apply to unauthorized discharges of sewage or other waste from the wastewater treatment plant. These reporting requirements are necessary to ensure proper compliance with the waste discharge requirements and to collect needed information regarding discharges of sewage or other waste that could affect the quality of waters of the state.

E. Whole Effluent Toxicity Testing Requirements – Not Applicable

VII. RATIONALE FOR PROVISIONS

A. Standard Provisions

1. Reopener Provisions – Not Applicable

2. Special Studies and Additional Monitoring Requirements

TDS/TIN Offsets - The Discharger may not be able to meet effluent limits for TDS and/or TIN specified in the Order. Consequently, the Order allows the Discharger to implement an approved offset program for mitigating discharges of TDS and/or TIN in excess of the effluent limitations specified.

3. Best Management Practices and Pollution Prevention – Not Applicable

4. Construction, Operation, and Maintenance Specifications

The requirements are based on requirements that are specified for all municipal wastewater treatment plants in the region to assure compliance with waste discharge requirements, and proper operation and maintenance of treatment facilities.

5. Special Provisions for Municipal Facility - POTWs Only – Not Applicable

6. Other Special Provisions – Not Applicable

7. Compliance Schedules

The existing wastewater treatment plant was not designed to remove nitrogen from the wastewater, thus the Discharger cannot achieve immediate compliance with the final TIN effluent limitation specified in Effluent Limitation IV.A. 3.a. Since this is a new effluent limitation, the Discharger must be provided sufficient time to achieve compliance with this limitation. Therefore, the Order requires the Discharger to submit a plan, acceptable to the Executive Officer of the Regional Water Board, to achieve compliance with the TIN limitation. An acceptable plan must be submitted by April 1, 2010. The plan must include a detailed time schedule of specific actions the Discharger proposes to implement in order to achieve compliance. The Discharger must fully implement the plan upon approval by the Executive Officer and achieve compliance with the TIN effluent limitation in accordance with the approved time schedule.

VIII. PUBLIC PARTICIPATION

The California Regional Water Quality Control Board, Santa Ana Region is considering the re-issuance of waste discharge requirements (WDR) for Wilderness Lakes RV Park. As a step in the WDR adoption process, the Regional Water Board staff has developed tentative WDR. The Regional Water Board encourages public participation in the WDR adoption process.

A. Notification of Interested Parties

The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations. Notification was provided through the posting of Notice of Public Hearing at the Regional Water Board website: http://www.waterboards.ca.gov/santaana/board_decisions/tentative_orders/index.shtml, on November 10, 2009.

B. Written Comments

The staff determinations are tentative. Interested persons are invited to submit written comments concerning these tentative WDR. Comments should be submitted either in person or by mail to the Executive Office at the Regional Water Board at the address above on the cover page of this Order.

To be fully responded to by staff and considered by the Regional Water Board, written comments should be received at the Regional Water Board offices by 5:00 p.m. on November 19, 2009 to:

Julio Lara
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3348

C. Public Hearing

The Regional Water Board will hold a public hearing on the tentative WDR during its regular Board meeting on the following date and time and at the following location:

Date:	December 10, 2009
Time:	9:00 A.M.
Location:	City Council Chambers of Corona 400 S. Vicentia Avenue City of Corona

Interested persons are invited to attend. At the public hearing, the Regional Water Board will hear testimony, if any, pertinent to the discharge and Order. Oral testimony will be heard; however, for accuracy of the record, important testimony should be in writing.

Please be aware that dates and venues may change. Our web address is http://www.waterboards.ca.gov/santaana where you can access the current agenda for changes in dates and locations.

D. Waste Discharge Requirements Petitions

Any aggrieved person may petition the State Water Resources Control Board to review the decision of the Regional Water Board regarding the final WDR. The petition must be submitted within 30 days of the Regional Water Board's action to the following address:

State Water Resources Control Board
Office of Chief Counsel
P.O. Box 100, 1001 I Street
Sacramento, CA 95812-0100

E. Information and Copying

The Report of Waste Discharge, related documents, tentative WDR, comments received, and other information are on file and may be inspected at the address above at any time between 9:00 a.m. and 3:00 p.m. Monday through Friday. Copying of documents may be arranged through the Regional Water Board by calling (951) 782-4130.

F. Register of Interested Persons

Any person interested in being placed on the mailing list for information regarding this Order should contact the Regional Water Board, and provide a name, address, and phone number.

G. Additional Information

Requests for additional information or questions regarding this Order should be directed to Julio Lara at (951) 782-4901.