

# AGENDA

## DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY CITY OF CRESCENT CITY COUNTY OF DEL NORTE STATE OF CALIFORNIA

**Board of Supervisors Chambers  
Flynn Center 981 H Street  
Crescent City, CA**

**Regular Session                      Tuesday, July 23, 2013                      3:30 PM**

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The Solid Waste Management Authority of the City of Crescent City and the County of Del Norte, State of California, is now meeting in Regular Session. Only those items that indicate a specific time will be heard at the assigned time. All items may be taken out of sequence to accommodate public and staff availability.  
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All documents referred to in this agenda are available at the Office of the Del Norte Solid Waste Management Authority at 1700 State Street in Crescent City, between the hours of 8AM and 5PM Monday through Friday OR online at [www.recycledelnorte.ca.gov](http://www.recycledelnorte.ca.gov)  
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For more information call 465-1100 or email [dnswwma@recycledelnorte.ca.gov](mailto:dnswwma@recycledelnorte.ca.gov)

**3:30 PM                      CALL MEETING TO ORDER**

**PLEASE NOTE: The Board will hold closed Sessions (if scheduled and necessary) at the end of the open portion of the meeting.**

### **PUBLIC COMMENTS:**

**3:30 PM                      ANY MEMBER OF THE PUBLIC MAY ADDRESS THE SOLID WASTE MANAGEMENT AUTHORITY ON ANY MATTER ON OR OFF THE AGENDA. After receiving recognition from the Chair, please give your name and address for the record. Comments will be limited to three minutes.**

**1. REPORT FROM THE SOLID WASTE TASK FORCE**

**2. CONSENT AGENDA**

- 2.1 Approve minutes, Regular Session, Tuesday June 25, 2013 \*\*

**END CONSENT AGENDA**

**3. DIRECTORS REPORT**

**The following agenda items are provided for information only**

- 3.1 Treasurer/Controller Report for May 2013 \*\*
- 3.2 Treasurer/Controller Report for June 2013 \*\*
- 3.3 Claims approved by Director for June 2013 \*\*
- 3.4 Monthly Cash and Charge Reports for June 2013 \*\*
- 3.5 Earned Revenue Comparisons between FY11/12 and FY12/13 \*\*

**END DIRECTORS REPORT**

**DISCUSSION/ACTION ITEMS**

**4. LANDFILL POSTCLOSURE**

- 4.1 Discussion and possible action regarding status of landfill repairs, and a letter from Gino Yetka, CalRecycle regarding the (6/24/13) inspection. \*\*
- 4.2 Discussion and possible action regarding status of work by EBA Engineering, including an assessment of landfill gas generation and approval to pay \$7155.22 for work completed to date. \*\*
- 4.3 Discussion and possible action regarding the Groundwater Investigation Work Plan for the Crescent City Landfill, and a letter from Gina Morrison defining the standards to justify a permanent reduction in the Threat/Complexity rating for this facility from a 1A to 2A. \*\*
- 4.4 Discussion and possible action regarding Annual Storm Water Report for the Crescent City Landfill. \*\*
- 4.5 Discussion and possible action regarding Semi Annual Groundwater and Surface Water Report. \*\*

## **5. COLLECTIONS FRANCHISE**

- 5.1 Discussion and possible action regarding approval Change Order 4 to implement a request from Recology Del Norte to change current green waste collection service days (Monday – Friday) to one day per week on Wednesday. \*\*

## **6. TRANSFER STATION**

- 6.1 Discussion and possible action regarding a public hearing at 3:45PM on July 23rd for final adoption the adoption Ordinance No.2013-01 establishing rates to provide public scale services at the Del Norte County Transfer Station. \*\*
- 6.2 Discussion and possible action regarding approval of Change Order 18 implementing a request from Wes White, CEO Hambro/WSG for a modification of the contract requirements for a performance bond. \*\*
- 6.3 Discussion and possible action regarding Annual Storm Water Report for the Del Norte County Transfer Station. \*\*

## **7. GENERAL SOLID WASTE AUTHORITY MATTERS**

- 7.1 Discussion and possible action regarding a report from a sub-committee discussing available options to execute the responsibilities currently administered by the Del Norte Solid Waste Management Authority. \*\*
- 7.2 Discussion and possible action regarding approval of the Del Norte Solid Waste Management Authority Work Plan for Fiscal Year 2013/2014. \*\*
- 7.3 Discussion and possible action regarding annual audit for Fiscal Year 2011/2012 prepared by Smith and Newell. \*\*
- 7.4 CLOSED SESSION  
PUBLIC EMPLOYEE DISCIPLINE/RELEASE/DISMISSAL  
(Government Code Section 54957).
- 7.5 CLOSED SESSION  
CONFERENCE WITH LEGAL COUNSEL  
-ANTICIPATED LITIGATION (Gov. Code Section 94956.9(b)-1 Case

**\*\* Asterisk next to Agenda Item indicates an associated attachment**

# DEL NORTE SOLID WASTE TASK FORCE

## Agenda

Thursday, July 11, 2013, 5:30 - 7:30 PM

Ocean View Inn  
270 Hwy 101 South  
Crescent City, CA

*The Del Norte Solid Waste Task Force is now meeting in Regular Session. Only those items that indicate a specific time will be heard at the assigned time. All other items may be taken out of sequence to accommodate public and staff availability.*

### ITEMS FOR DISCUSSION:

1. Call to order
2. Discussion and possible action regarding approval of minutes of June 13, 2013 Del Norte Task Force Meeting\*\*
3. Public comment
4. Discussion and review of the status of the review of DNSWMA Ordinances 2008-01, 2008-02, 2008-03 by the City of Crescent City and Del Norte County code enforcement officers.
5. Discussion and possible action regarding Richard Miles' interest in fostering Zero Waste Events in Del Norte County.
6. Discussion and possible action regarding Patricia black's investigation of Stoneybrook Farms' yogurt 'compostable' yogurt containers. \*\*
7. Members items of interest or of concern to the 2013 Del Norte Solid Waste Task Force. Any new items requiring action will be scheduled on the next agenda.
8. Adjournment. The next meeting of the Del Norte Solid Waste Task Force is scheduled for August 8, 2013.

\*\* indicates attachments

DEL NORTE SOLID WASTE TASK FORCE  
**MINUTES**

Thursday 13 June 2013

5:30 PM – 7:30 PM

Ocean View Inn  
270 Hwy 101 South  
Crescent City, CA

Present: Andy Larson  
Pat Black  
Brad Cass  
Mary Wilson  
Wes Nunn, Chair  
Ray Martell  
Joel Wallen

Absent: Karen Sanders  
Ralph Dickey  
Dave Mason  
Richard Miles

Also Present: Kevin Hendrick, Authority Director  
Tedd Ward, Authority Program Manager

1. Chair Nunn called the meeting to order at 5:34 PM. with all persons present as indicated above.
2. On a motion by Mary Wilson and seconded by Ray Martell, and adopted on a unanimous vote, the minutes from the 09 May 2013 Meeting of the Del Norte Solid Waste Task Force were approved.
3. Public comment called for, none made.

*Ralph Dickey arrives at 5:38 PM.*

4. Discussion of the household hazardous waste element and update. Ralph Dickey asked that if Task Force members are expected to read something before the meeting, it should be sent out with the agenda and minutes if that is possible. Program Manager Ward reviewed the Household Hazardous Waste Element adopted in 1992, Authority Resolution 2007-06, and the hazardous waste programs described in the annual report. Director Hendrick described existing and future extended producer responsibility programs in Del Norte County, including mercury thermostats, household batteries, carpeting, and

architectural coatings. Mary Wilson said that Safeway was no longer recycling batteries. Discussion followed.

5. Discussion and review of the status of the review of DNSWMA Ordinances 2008-01, 2008-02, 2008-03 by the City of Crescent City and Del Norte County code enforcement officers. Director Hendrick sent out an e-mail with City and County ordinances on Monday. Discussion followed. Consensus direction was to have Kevin draft a letter for Wes' signature to be sent to the City and County for a report from their respective Code Enforcement Officers on their status of updating their ordinances related to blight and solid waste at the next solid waste task force meeting. Ray Martell suggested that the solid waste task force offer to meet earlier in the day, perhaps starting at 4 pm so overtime is not needed for either Code Enforcement Officer.

6. Andy Larson provided a summary of the meeting regarding options available to execute the responsibilities currently administered by the Authority and handed out draft minutes from the meeting. Discussion followed. Director Hendrick highlighted that per ton rates charged at the Del Norte County Transfer Station are the lowest in the region, and that he will prepare a summary of the Authority's income and expenses. Andy asked if there were any questions from the Task Force that he should put forth at the next meeting. The next meeting date has not yet been set. Mary Wilson moved and Ralph Dickey seconded that Andy Larson be approved as the solid waste task force representative to future meetings on this topic, and this motion was unanimously approved by a voice vote.

7. Chair Nunn said he would compile new items for consideration by the solid waste task force for the next solid waste task force meeting agenda, including perhaps discussion of scales.

8. Chair Nunn adjourned the meeting at 7:35 PM.



# Del Norte Solid Waste Management Authority

1700 State Street, Crescent City, CA 95531  
Phone (707) 465-1100 Fax (707) 465-1300

## Staff Report

**Date:** 08 July 2013

**To:** Members of the Del Norte Solid Waste Task Force  
**From:** Tedd Ward, Program Manager

**Subject:** Stoneybrook Farms yogurt containers

*The following is a sequence of e-mails started by Task Force member Patricia Black regarding their 'compostable' yogurt containers.*

### 14 June 2013:

Hello Patricia,

Thanks for reaching out to us with your question about composting our plant-based plastic cups. While polylactic acid (PLA) itself can be composted, the kind of PLA plastic we use for our multipack cups is too thick to be considered compostable. And, surprisingly, even though they're made from plants, putting these cups in the compost pile isn't the best end of life option for them because composting would release the carbon dioxide (CO<sub>2</sub>) in PLA back into the atmosphere where it would contribute to global warming.

While PLA is recyclable, the recycling infrastructure for it is currently in its infancy and still unavailable to yogurt lovers like you. The technology to recycle PLA is only available in two facilities: one in Wisconsin, the other in Belgium. Neither of these facilities has the ability to separate paper labels, adhesives or lids, which would be necessary to recycle our PLA multipack cups.

We'll keep working at it though, because PLA recycling has great potential.



is no standard by which to compare air, water, and land emissions, pollution, or disposal. Bottom line is that they are telling you it is better, and you and I won't have any way to verify or compare this assertion to any other claim.

From a customer behavior standpoint, I don't think any package that is designed for disposal is ever all that groovy. 'Compostable' or bio-based plastics are not an improvement if they aren't recyclable in our region or compostable, and this is neither. They inevitably lead to customer confusion, and related contamination of recycling or composting systems.

To me, it is similar, but not quite as good as flashy claims of a new 'eco' packaging that is essentially thinner plastic. Yes, it uses less material and energy, so yes, there may be an environmental benefit. No added value to the customer or the recovery systems. They may be making such decisions with the best of intentions as there are many areas of the country that do not have comprehensive plastics recycling programs, and this disposable package may actually be better than their former disposable plastic package, to the extent one assumes most of their packages are disposed after use rather than recycled.

In this case (i.e. Del Norte County), it seems their package choice actually contributes to the contamination of existing recycling and composting systems, meaning workers on a sort line need to be trained to pick out the Stonybrook containers so they are disposed rather than processed with the other (nearly visually identical) plastics recovered for recycling. So this one package type adds costs to our recovery system without offering a single real benefit – unless you never really considered recycling as a real possibility and you were only comparing disposing this single-use package to disposing their former single-use package. And this 'benefit' is never weighed against the 'cost' to the recovery system that their package imposes. My guess is their 'lifecycle analysis' did not consider this perhaps 'unintended' consequence.

In my humble opinion, the only markets appropriate for this package are regions where there are already recycling systems for the recovery of this new package. Everywhere else, it is a disposable package trying to convince you this single use disposable package is somehow better than the others, while its very existence helps undermine the effectiveness of the existing recycling and composting systems.

Recycling is inherently a regional activity. Not recyclable in our region means not recyclable for us, no matter what anyone else says. Wisconsin and Belgium are tiny fig leaves of environmental benefit that these marketers are calling clothing. From my perspective, they look naked to me. As they relate to existing recovery infrastructure, such packages violate the maxim 'first do no harm.'

Thanks for caring,

Tedd Ward  
Program Manager  
Del Norte Solid Waste Management Authority  
707-465-1100

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24 June 2013:

Dear Pat and Tedd,

I lead our sustainability initiatives here at Stonyfield and was glad to learn recently of your interest in the decisions we make to use certain kinds of packaging. As you've heard from our team, we're deeply committed to reducing the greenhouse gas emissions and the full life-cycle impacts associated with our

Even so, in our community, your containers are destined for disposal, and are a contaminant in our recycling stream for customers who are less conscientious and informed than Pat. Even if you believe that your container has a reduced carbon footprint, that fundamentally ignores how your containers actually are managed where they can be confuse with 'recyclable' containers, even though your containers should be kept out of the recycling stream. Your company's 'environmental savings' for your disposable containers appear to be at a cost to our regional recycling systems.

Is your company engaged in any efforts in Northern California or Southern Oregon to establish a recycling facility to handle your packages? If so, I would be interested to find out more. If not, I think a better environmental effort would be to use containers for products sold in California that are compatible with current recycling systems in California, at least until you have viable recycling plants for such packages within 300 miles.

Unless I am misunderstanding this situation, I don't know what there would be to talk about.

Thanks for trying, but I am not convinced this packaging choice is really beneficial to the environment, all things considered.

Tedd Ward  
Program Manager  
Del Norte Solid Waste Management Authority  
707-465-1100



**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Minutes of 25 June 2013**  
**Del Norte County Board of Supervisors Chambers**

PRESENT: Commissioner Rich Enea, Chair  
Commissioner Rick Holley  
Commissioner Mike Sullivan  
Commissioner Roger Gitlin  
Commissioner Mary Wilson

Legal Counsel Martha Rice  
Director Kevin Hendrick  
Program Manager and Clerk Tedd Ward  
Treasurer/Controller Richard Taylor

ABSENT: None

ALSO PRESENT: Jay Sarina, County Administrative Officer  
Clinton Schaad, County Auditor  
Wes White, Hambro/WSG  
Joel Wallen, Hambro/WSG  
Norma Williams, SEIU 1021 Union representative

The start of the meeting was delayed due to an extended Del Norte County Board of Supervisors meeting using the Supervisors Chambers. The Authority meeting was called to order by Chair Enea at the hour of 4:19 P.M., with all parties present as heretofore designated.

**PUBLIC COMMENTS:**

The Chair called for public comments at 4:19 P.M. The following people addressed the Board:

Elizabeth Henry regarding efforts to 'reform' the Authority, specifically wondering what reason justifies further investigation of privatization or restructuring, and why suggestions from Recology Del Norte wouldn't be addressed through the Change Order process.

Donna Westfall regarding whether or not Authority budget policies should mirror those of the County, such as with respect to furloughs. She also advocated for more reuse and recycling based businesses.

Norma Williams regarding the need for addressing the 'meet and confer' requirements of the binding Memorandum of Understanding addressing Authority employees and personnel policies.

The Chair closed public comment at 4:26 P.M.

### **CONSENT AGENDA**

Minutes, Regular Session, Tuesday May 28, 2013

Approve addendum to agreement with Smith and Newell for preparation of the Annual Audit for Fiscal Year 2013/2014.

On a motion by Commissioner Holey, seconded by Commissioner Sullivan, by a polled vote the consent agenda was approved unanimously.

Commissioner Gitlin pulled the minutes for discussion. He asked that a sentence be added to indicate that 'Ms. Henry alleged that some of the information in the KIEM report based on comments from Commissioner Gitlin was incorrect.' On a motion by Commissioner Holley and seconded by Commissioner Sullivan, the minutes as corrected by Mr. Gitlin were adopted. Elizabeth Henry and Bill Longsdale addressed the Board on this item.

### **END OF CONSENT AGENDA**

#### **SOLID WASTE AUTHORITY BUDGET 022102**

Director Hendrick addressed the Board regarding the proposed Authority budget for FY 2013/2014. Discussion followed regarding grant budget allocation and the process by which the City and County review and ratify the Authority budget.

At the hour of 4:49 P.M., Chair Enea opened the Public Hearing for the Authority Budget. The following people addressed the Board on this item:  
Elizabeth Henry, Donna Westfall, Bill Longsdale, Andy Larson, Victoria Dickey

At 5:02 P.M., Chair Enea closed the public hearing for the Authority budget.

On a motion by Commissioner Sullivan, seconded by Commissioner Holley, and approved with Commissioner Wilson voting 'No,' and all other Commissioners voting 'Yes,' the Authority Board adopted the Authority Budget for FY 2013/2014 as presented.

## **SOLID WASTE AUTHORITY PERSONNEL**

At the hour of 5:03 P.M, the Board went into Closed Session as authorized under Government Code section 54957 to address one item related to PUBLIC EMPLOYEE DISCIPLINE / RELEASE / DISMISSAL. The Board returned to open session at 5:38. No action was taken during the Closed Session.

## **REPORT FROM THE SOLID WASTE TASK FORCE 200101**

This item was tabled to the next meeting.

### **DIRECTOR'S REPORT**

Director Hendrick discussed the following topics within the Director's report:

- Treasurer/Controller Report for April 2013
- Claims approved by Director for May 2013
- Monthly Cash and Charge Reports for May 2013
- Earned Revenue Comparisons between FY11/12 and FY12/13
- Annual audit for Fiscal Year 2011/2012 prepared by Smith and Newell

Discussion followed regarding the amount of cash reserves, and balancing that against depreciation, landfill liability, and the other purposes of this reserve fund. Director Hendrick suggested that the Authority Board consider this issue after the close of the fiscal year, in a couple of months.

Commissioner Sullivan asked that the Audit be included on next month's agenda.

### **END DIRECTORS REPORT**

## **DISCUSSION / ACTION ITEMS:**

### **LANDFILL POSTCLOSURE MAINTENANCE & REPAIRS - 120110**

Program Manager Ward addressed the Board regarding a status report on repairs at the Crescent City Landfill and the 6/24/13 inspection by Gino Yekta of the California Department of Resources Recycling and Recovery (CalRecycle).

### **LANDFILL PERMIT – 022104**

Program Manager Ward addressed the Board regarding the status of work by EBA Engineering, including a waste in place analysis, assessment of landfill gas generation and application for a five year update of the Solid Waste Facility Permit for the Crescent City Landfill.

Consensus direction was to direct staff to submit the Application for a permit review of the Solid Waste Facility Permit for the Crescent City Landfill to appropriate agencies. Discussion followed.

#### **LANDFILL GROUNDWATER INVESTIGATION - 230102**

Program Manager Ward addressed the Board regarding the Groundwater Investigation Work Plan to possibly, permanently reduce the Landfill Threat/Complexity rating from a 1A to a 2A. Discussion followed.

On a motion by Commissioner Sullivan and seconded by Commissioner Wilson, by a unanimous vote, the Board ratified the agreement with Fisch Drilling in the amount of \$9,837 for groundwater investigation at the Crescent City Landfill.

#### **LANDFILL POSTCLOSURE INSURANCE 091401**

Director Hendrick addressed the Board regarding possible action regarding research of the possibility to acquire landfill liability insurance. Discussion followed.

Commissioner Gitlin moved to solicit two proposals from Trindell Insurance for a \$5 to \$10 Million dollar coverage policy, one with a \$25,000 deductible, and another with a \$50,000 deductible. Commissioner Wilson seconded the motion. The application would need to also be approved by the County BOS. Discussion followed. The motion was approved by a unanimous polled vote.

#### **COLLECTIONS FRANCHISE 180510 061801**

Director Hendrick addressed the Board regarding a request from Recology Del Norte to change current green waste collection service days (Monday – Friday) to one day per week on Wednesdays. Discussion followed. Donna Thompson addressed the Board on this issue.

Consensus direction to staff was to have staff negotiate a Change Order with Recology Del Norte based on their letter of May 16, 2013, with a request for a reduced rate for these services, and to present this Change Order for the Authority Board's consideration at the next Authority meeting.

## **TRANSFER STATION – CERTIFIED WEIGHTS 070106 080104 151801**

Director Hendrick addressed the Board regarding the first reading and introduction of Ordinance No.2013-01 establishing rates to provide public scale services at the Del Norte County Transfer Station and schedule a public hearing on July 23<sup>rd</sup>, 2013 at 3:45 P.M. for final adoption. Wes White of Hambro/WSG addressed the Board on this issue.

On a motion by Commissioner Gitlin, seconded by Commissioner Wilson, the Board waived the first reading of Ordinance No. 2013-01, and direct Authority staff to forward a copy of Authority Ordinance 2013-01 for approval by the City of Crescent City and the County of Del Norte prior to scheduling of a Public Hearing for this Ordinance at a regular Authority meeting prior to its final adoption. The motion passed by a unanimous vote.

## **HOUSEHOLD HAZARDOUS WASTE COLLECTIONS - 081503**

Director Hendrick addressed the Board regarding Change Order 1 to the Agreement with Clean Harbors Environmental Services for Household Hazardous Waste and Conditionally Exempt Small Quantity Generator Collection events, implementing CPI based rate adjustments, Term Extension, Paint Management.

On a motion by Commissioner Sullivan, seconded by Commissioner Gitlin, and passed by a unanimous vote, the Board approved Change Order 1 to the Agreement with Clean Harbors as presented and authorized appropriate signatures.

## **TRANSFER STATION OPERATIONS CHANGE ORDER 080104 031502**

Director Hendrick addressed the Board regarding Change Order 17 for the Contract with Hambro/WSG authorizing an agreement with Paint Care to provide free recycling of architectural coatings at the Del Norte County Transfer Station.

On a motion by Commissioner Sullivan, seconded by Commissioner Wilson, the Board approved Change Order 17 by a unanimous voice vote.

## **TRANSFER STATION OPERATIONS 080104**

Wes White, CEO Hambro/WSG addressed the Board regarding their request for a modification of the contract requirements for a performance bond. Discussion followed.

Commissioner Holley moved and Commissioner Wilson seconded, and by a voice vote the Authority unanimously approved the request from Hambro/WSG to fulfill the Performance Bond requirements of the Transfer Station Operations Agreement using a bond with a 'B++' rating.

### **SOLID WASTE JOINT POWERS AUTHORITY 101503**

Legal counsel Martha Rice addressed the Board regarding the Executive Summary she prepared regarding the Lease Agreements with the California Infrastructure and Economic Development Bank (I-Bank). Director Hendrick addressed the Board regarding the report from a sub-committee discussing available options to execute the responsibilities currently administered by the Del Norte Solid Waste Management Authority. Discussion followed.

### **SOLID WASTE AUTHORITY BUDGET REVISION 022101**

Director Hendrick addressed the Board regarding approval of a Budget Revision to transfer \$2400.00 from Contingency (Budget # 81000) to Professional Services-County (Budget #20230) for landfill repairs.

On a motion by Commissioner Sullivan, seconded by Commissioner Gitlin, by a unanimous voice vote, the Board approved a Budget Revision to transfer \$2400.00 from Contingency (Budget # 81000) to Professional Services-County (Budget #20230) for landfill repairs.

### **SOLID WASTE AUTHORITY PROCEDURES 161803**

Director Hendrick addressed the Board regarding approval of a contract with Karen Phillips to provide Recording Secretary services to the Board.

On a motion by Commissioner Sullivan, seconded by Commissioner Holley, with Commissioner Wilson voting 'No' with all other Commissioners voting 'Yes,' the Board approved a contract with Karen Phillips to provide Recording Secretary services to the Board.

### **POST-EMPLOYMENT RETIREMENT BENEFITS – 180520**

Director Hendrick addressed the Board regarding an annual contribution to the California Employee's Benefit Trust in the amount of \$11,125 to fund Other Post Employment Benefits (OPEB).

On a motion by Commissioner Holley, seconded by Commissioner Enea, by a unanimous voice vote, the Board approved making a contribution to the California Employee's Benefit Trust in the amount of \$11,125 to fund Other Post-Employment benefits (OPEB).

The Del Norte Solid Waste Management Authority adjourned at the hour of 6:49 P.M., to reconvene in Regular Session, on July 23, 2013, at the hour of 3:30 P.M., at the Board of Supervisors Chambers, Flynn Center, 981 "H" Street, Crescent City, California.

\_\_\_\_\_ Date / /  
Richard Enea, Chair  
Del Norte Solid Waste Management Authority

ATTEST:

\_\_\_\_\_ Date / /  
Tedd Ward, Clerk and Program Manager  
Del Norte Solid Waste Management Authority

Solid Waste  
**Balance Sheet**  
 May 31, 2013

**Unaudited**

**ASSETS**

422 010 00000	Cash Solid Waste	659,019.29
422 010 00300	Imprest Cash	100.00
422 010 01100	Accounts Receivable	4,713.51
422 010 03200	Land	493,000.00
422 010 03300	Transfer Station	3,266,990.64
422 010 03400	Equipment	158,443.55
422 010 03410	Buildings & Improvements	141,638.89
422 010 03440	Accum Depr Equipment	(148,798.00)
422 010 03450	Accum Depr Bldg & Improv	(61,906.24)
422 010 03460	Accum Depr Transfer Station	(592,144.00)
	Total Assets	<u><u>3,921,057.64</u></u>

**LIABILITIES AND FUND EQUITY**

422 010 05103	A/P Services	127.04
422 010 05105	Sales Tax Payable	5.99
422 010 05210	Sublease Payable	3,205,118.55
422 010 05300	Compensated Absences Payable	52,329.88
422 010 05400	Deferred Revenue	4,839.35
422 010 05500	Post Closure Liability	2,650,636.00
422 010 06900	Designated for Lease Debt Service	150,000.00
422 010 07100	Fund Balance	(2,857,215.34)
422 010 09600	Investment in Capital Assets net of related debt	531,748.00
	Revenue	2,438,835.63
	Expenditure	(2,255,367.46)
	Total Liabilities and Fund Equity	<u><u>3,921,057.64</u></u>

3.1

Solid Waste

Statement of Revenues and Expenditures  
11 Months Ended 5/31/2013

	CURRENT MONTH ACTUAL	YTD ACTUAL	YTD BUDGET	YTD VARIANCE	% EXPENDED	
<b>Revenues:</b>						
422-421-90153	Franchise Fees	19,601.00	201,292.00	257,000.00	(55,708.00)	78.32%
422-421-90210	Code Enforcement	0.00	0.00	1,000.00	(1,000.00)	0.00%
422-421-90300	Interest - Solid Waste	0.00	907.87	2,000.00	(1,092.13)	45.39%
422-421-91003	Gate Tipping Fees	145,511.01	1,443,150.64	1,760,000.00	(316,849.36)	82.00%
422-421-91004	Authority Service Fees	77,975.03	775,694.14	912,246.00	(136,551.86)	85.03%
422-421-91121	Misc Reimbursements	0.00	207.97	1,000.00	(792.03)	20.80%
422-421-91124	Misc Revenue	0.00	20.40	0.00	20.40	0.00%
422-421-90650-060	Oil Grant 12/13	0.00	15,000.00	15,000.00	0.00	100.00%
422-421-90650-074	Oil Grant - 11/12	0.00	0.00	13,608.00	(13,608.00)	0.00%
422-421-91003-099	Gate Tipping Fees - Prior Yr	0.00	1,704.91	0.00	1,704.91	0.00%
422-421-91004-099	DNSWMA Tipping Fees - Prior Yr	0.00	857.70	0.00	857.70	0.00%
422-421-91129-067	DOC Grant - 12/13	0.00	0.00	15,000.00	(15,000.00)	0.00%
422-421-91129-069	DOC Grant 11/12	0.00	0.00	10,247.00	(10,247.00)	0.00%
<b>Total Revenues</b>		<b>243,087.04</b>	<b>2,438,835.63</b>	<b>2,987,101.00</b>	<b>(548,265.37)</b>	<b>81.65%</b>
<b>Expenses:</b>						
422-421-10010	Payroll	33,663.88	264,886.63	290,207.00	25,320.37	91.28%
422-421-10012	Overtime	0.00	484.09	1,000.00	515.91	48.41%
422-421-10015	Part-time/Temp	319.41	24,239.91	24,300.00	60.09	99.75%
422-421-10020	Retirement	9,022.79	72,998.88	84,965.00	11,966.12	85.92%
422-421-10030	Employee Benefits	6,978.91	76,007.82	59,155.00	(16,852.82)	128.49%
422-421-10033	Employee Life Insurance	35.20	273.60	332.00	58.40	82.41%
422-421-10035	Management Life Insurance	105.33	1,161.92	1,299.00	137.08	89.45%
422-421-10040	Worker's Compensation	2,483.13	27,314.43	29,798.00	2,483.57	91.67%
<b>Total Salaries and Benefits</b>		<b>52,608.65</b>	<b>467,367.28</b>	<b>491,056.00</b>	<b>23,688.72</b>	<b>95.18%</b>
422-421-20121	Communications	0.00	1,844.94	2,200.00	355.06	83.86%
422-421-20140	Household Expense	0.00	3,183.05	3,500.00	316.95	90.94%
422-421-20150	Insurance-Office	0.00	6,136.00	6,136.00	0.00	100.00%
422-421-20151	Liability Insurance	0.00	0.00	1,581.00	1,581.00	0.00%
422-421-20152	Vehicle Insurance	0.00	1,440.80	1,450.00	9.20	99.37%
422-421-20155	Liability Insurance	0.00	2,145.75	2,573.00	427.25	83.39%
422-421-20171	Maintenance-Vehicles	292.13	438.40	500.00	61.60	87.68%
422-421-20175	Maintenance-Computers	0.00	0.00	139.00	139.00	0.00%
422-421-20180	Maint-Structures/Improvements & TS M	0.00	1,075.00	1,075.00	0.00	100.00%
422-421-20200	Memberships	0.00	7,400.00	7,450.00	50.00	99.33%
422-421-20221	Printing	1.92	7.54	6.00	(1.54)	125.67%
422-421-20223	Postage	101.81	1,209.20	1,400.00	190.80	86.37%
422-421-20224	Office Supplies	112.37	4,363.52	7,000.00	2,636.48	62.34%
422-421-20230	Prof Serv-Co/City	6,598.99	10,162.73	20,000.00	9,837.27	50.81%
422-421-20231	Prof Serv	8,195.75	8,352.59	32,396.00	24,043.41	25.78%
422-421-20232	Prof Serv-Well Monitoring	0.00	24,174.00	27,211.00	3,037.00	88.84%
422-421-20233	Audit	0.00	0.00	8,850.00	8,850.00	0.00%
422-421-20234	Legal Counsel	0.00	6,539.12	12,000.00	5,460.88	54.49%
422-421-20235	Treasurer	0.00	3,375.00	4,500.00	1,125.00	75.00%
422-421-20236	Security	166.13	900.88	1,500.00	599.12	60.06%
422-421-20237	Credit Card Service Fees	651.41	6,129.46	6,800.00	670.54	90.14%
422-421-20238	TS Collection	0.00	19,253.00	27,000.00	7,747.00	71.31%
422-421-20239	Transfer Station Operations	140,426.20	1,325,641.06	1,800,000.00	474,358.94	73.65%
422-421-20240	Advertising/Publications	0.00	63.80	267.00	200.20	25.02%
422-421-20250	Lease of Equipment	0.00	2,825.94	3,500.00	674.06	80.74%
422-421-20251	Lease - Gasquet Transfer Station	0.00	635.63	700.00	64.37	90.80%
422-421-20270	Minor Equipment	0.00	4,074.38	4,961.00	886.62	82.13%
422-421-20280	Delivery Service	0.00	403.50	600.00	196.50	67.25%
422-421-20281	Household Hazardous Waste Event	210.00	31,594.00	31,384.00	(210.00)	100.67%
422-421-20283	Community Clean-up	0.00	3,857.39	5,000.00	1,132.61	77.35%
422-421-20285	Special Dept Expense	107.95	3,310.92	3,389.00	78.08	97.70%
422-421-20286	Cash Over/Under	16.59	455.69	182.00	(273.69)	250.38%
422-421-20288	City Collections	0.00	13,340.66	17,000.00	3,659.34	78.47%
422-421-20290	Travel	53.34	2,080.05	3,000.00	909.95	69.67%
422-421-20297	Vehicle Fuel	198.13	1,688.94	1,800.00	131.06	92.72%
422-421-20301	State Fees	0.00	25,519.00	25,519.00	0.00	100.00%
422-421-20221-060	Printing-Oil Grant - 12/13	0.00	0.00	1,000.00	1,000.00	0.00%
422-421-20221-067	Printing-DOC Grant 12/13	0.00	0.00	400.00	400.00	0.00%
422-421-20239-001	Post Closure Maintenance	0.00	5,623.94	8,000.00	2,376.06	70.30%
422-421-20240-060	Advertising Oil Grant - 12/13	0.00	0.00	3,050.00	3,050.00	0.00%
422-421-20240-067	Advertising- DOC Grant 12/13	0.00	0.00	2,600.00	2,600.00	0.00%
422-421-20240-069	Advertising - DOC Grant 11/12	0.00	720.00	3,123.00	2,403.00	23.05%
422-421-20240-074	Advertising - Oil Grant 11/12	0.00	7,003.80	7,500.00	496.20	93.38%

Solid Waste

Statement of Revenues and Expenditures  
11 Months Ended 5/31/2013

	CURRENT MONTH	YTD	YTD	YTD	%
422-421-20285-067 Spec Dept Exp-DOC Grant 12/13	0.00	0.00	6,000.00	6,000.00	0.00%
422-421-20285-069 Spec Dept Exp - DOC Grant 11/12	0.00	875.00	1,205.00	330.00	72.61%
422-421-20285-074 Spec Dept Exp - Oil Grant 11/12	0.00	613.75	3,558.00	2,944.25	17.25%
422-421-20290-060 Travel-Oil Grant - 12/13	0.00	0.00	1,000.00	1,000.00	0.00%
422-421-20290-067 Travel DOC Grant 12/13	0.00	0.00	2,000.00	2,000.00	0.00%
422-421-20290-069 Travel - DOC Grant 11/12	0.00	1,919.48	1,920.00	0.52	99.97%
<b>Total Services and Supplies</b>	<b>157,132.72</b>	<b>1,540,380.91</b>	<b>2,120,425.00</b>	<b>580,044.09</b>	<b>72.64%</b>
422-421-30490 Depreciation Expense	0.00	0.00	110,267.00	110,267.00	0.00%
<b>Total Other Charges</b>	<b>0.00</b>	<b>0.00</b>	<b>110,267.00</b>	<b>110,267.00</b>	<b>0.00%</b>
<b>Total Fixed Assets</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00%</b>
422-421-70800 ARC Payment OPEB	0.00	0.00	11,125.00	11,125.00	0.00%
422-421-81000 Contingency	0.00	0.00	2,400.00	2,400.00	0.00%
422-421-70530-025 Interfund-Repayment to County	0.00	203,322.27	203,500.00	177.73	99.91%
422-421-70530-199 Interfund-Cost Plan	4,027.00	44,297.00	48,328.00	4,031.00	91.66%
<b>Total Intrafund Transfers</b>	<b>4,027.00</b>	<b>247,619.27</b>	<b>265,353.00</b>	<b>17,733.73</b>	<b>93.32%</b>
<b>Total Expenses</b>	<b>213,768.37</b>	<b>2,255,367.46</b>	<b>2,987,101.00</b>	<b>731,733.54</b>	<b>75.50%</b>
<b>Revenues Over (Under) Expenditures</b>	<b>29,318.67</b>	<b>183,468.17</b>	<b>0.00</b>	<b>183,468.17</b>	<b>0.00%</b>

Solid Waste  
**Balance Sheet**  
June 30, 2013

Unaudited

ASSETS

422 010 00000	Cash Solid Waste	681,123.62
422 010 00300	Imprest Cash	100.00
422 010 01100	Accounts Receivable	4,713.51
422 010 03200	Land	493,000.00
422 010 03300	Transfer Station	3,266,990.64
422 010 03400	Equipment	158,443.55
422 010 03410	Buildings & Improvements	141,638.89
422 010 03440	Accum Depr Equipment	(148,798.00)
422 010 03450	Accum Depr Bldg & Improv	(61,906.24)
422 010 03460	Accum Depr Transfer Station	(592,144.00)
	Total Assets	<u>3,943,161.97</u>

LIABILITIES AND FUND EQUITY

422 010 05100	Accounts Payable	154,813.68
422 010 05103	A/P Services	44.64
422 010 05105	Sales Tax Payable	5.99
422 010 05210	Sublease Payable	3,205,118.55
422 010 05300	Compensated Absences Payable	52,329.88
422 010 05400	Deferred Revenue	4,839.35
422 010 05500	Post Closure Liability	2,650,636.00
422 010 06900	Designated for Lease Debt Service	150,000.00
422 010 07100	Fund Balance	(2,857,215.34)
422 010 09600	Investment in Capital Assets net of related debt	531,748.00
	Revenue	2,684,542.64
	Expenditure	(2,633,701.42)
	Total Liabilities and Fund Equity	<u>3,943,161.97</u>

Solid Waste

Statement of Revenues and Expenditures  
12 Months Ended 6/30/2013

	CURRENT MONTH ACTUAL	YTD ACTUAL	YTD BUDGET	YTD VARIANCE	% EXPENDED
<b>Revenues:</b>					
422-421-90153 Franchise Fees	19,683.00	220,975.00	257,000.00	(36,025.00)	85.98%
422-421-90210 Code Enforcement	0.00	0.00	1,000.00	(1,000.00)	0.00%
422-421-90300 Interest - Solid Waste	0.00	907.87	2,000.00	(1,092.13)	45.39%
422-421-91003 Gate Tipping Fees	147,378.83	1,590,529.47	1,760,000.00	(169,470.53)	90.37%
422-421-91004 Authority Service Fees	78,451.23	854,145.37	912,246.00	(58,100.63)	93.63%
422-421-91121 Misc Reimbursements	10.49	218.46	1,000.00	(781.54)	21.85%
422-421-91124 Misc Revenue	0.00	20.40	0.00	20.40	0.00%
422-421-90650-060 Oil Grant 12/13	0.00	15,000.00	15,000.00	0.00	100.00%
422-421-90650-074 Oil Grant - 11/12	0.00	0.00	13,608.00	(13,608.00)	0.00%
422-421-91003-099 Gate Tipping Fees - Prior Yr	122.06	1,826.97	0.00	1,826.97	0.00%
422-421-91004-099 DNSWMA Tipping Fees - Prior Yr	61.40	919.10	0.00	919.10	0.00%
422-421-91129-067 DOC Grant - 12/13	0.00	0.00	15,000.00	(15,000.00)	0.00%
422-421-91129-069 DOC Grant 11/12	0.00	0.00	10,247.00	(10,247.00)	0.00%
<b>Total Revenues</b>	<b>245,707.01</b>	<b>2,684,542.64</b>	<b>2,987,101.00</b>	<b>(302,558.36)</b>	<b>89.87%</b>
<b>Expenses:</b>					
422-421-10010 Payroll	21,823.75	286,710.38	289,207.00	2,496.62	99.14%
422-421-10012 Overtime	57.32	541.41	1,000.00	458.59	54.14%
422-421-10015 Part-time/Temp	876.33	25,116.24	25,300.00	183.76	99.27%
422-421-10020 Retirement	5,898.36	78,897.24	84,965.00	6,067.76	92.86%
422-421-10030 Employee Benefits	6,877.15	82,884.97	59,155.00	(23,729.97)	140.11%
422-421-10033 Employee Life Insurance	25.60	299.20	332.00	32.80	90.12%
422-421-10035 Management Life Insurance	105.33	1,267.25	1,299.00	31.75	97.56%
422-421-10040 Worker's Compensation	2,464.59	29,779.02	29,798.00	18.98	99.94%
<b>Total Salaries and Benefits</b>	<b>38,128.43</b>	<b>505,495.71</b>	<b>491,056.00</b>	<b>(14,439.71)</b>	<b>102.94%</b>
422-421-20121 Communications	537.92	2,382.86	2,200.00	(182.86)	108.31%
422-421-20140 Household Expense	719.19	3,902.24	4,400.00	497.76	88.69%
422-421-20150 Insurance-Office	0.00	6,136.00	6,136.00	0.00	100.00%
422-421-20151 Liability Insurance	1,580.82	1,580.82	1,581.00	0.18	99.99%
422-421-20152 Vehicle Insurance	0.00	1,440.80	1,450.00	9.20	99.37%
422-421-20155 Liability Insurance	715.25	2,861.00	2,573.00	(288.00)	111.19%
422-421-20171 Maintenance-Vehicles	0.00	438.40	500.00	61.60	87.68%
422-421-20175 Maintenance-Computers	0.00	0.00	139.00	139.00	0.00%
422-421-20180 Maint-Structures/Improvements & TS M	0.00	1,075.00	1,075.00	0.00	100.00%
422-421-20200 Memberships	0.00	7,400.00	7,450.00	50.00	99.33%
422-421-20221 Printing	0.00	7.54	16.00	8.46	47.13%
422-421-20223 Postage	0.00	1,209.20	1,400.00	190.80	86.37%
422-421-20224 Office Supplies	1,195.66	5,569.18	6,000.00	440.82	92.65%
422-421-20227 Books/Subscriptions	0.00	0.00	220.00	220.00	0.00%
422-421-20230 Prof Serv-Co/City	0.00	10,162.73	20,000.00	9,837.27	50.81%
422-421-20231 Prof Serv	8,688.63	17,041.22	32,396.00	15,354.78	52.60%
422-421-20232 Prof Serv-Well Monitoring	2,977.00	27,151.00	27,211.00	60.00	99.78%
422-421-20233 Audit	8,850.00	8,850.00	-8,850.00	0.00	100.00%
422-421-20234 Legal Counsel	4,158.18	10,697.30	12,000.00	1,302.70	89.14%
422-421-20235 Treasurer	750.00	4,125.00	4,500.00	375.00	91.67%
422-421-20236 Security	300.00	1,200.88	1,310.00	109.12	91.67%
422-421-20237 Credit Card Service Fees	628.99	6,756.45	6,800.00	43.55	99.36%
422-421-20238 TS Collection	2,163.36	21,416.36	27,000.00	5,583.64	79.32%
422-421-20239 Transfer Station Operations	299,600.67	1,625,241.73	1,800,000.00	174,758.27	90.29%
422-421-20240 Advertising/Publications	320.80	387.60	487.00	99.40	79.59%
422-421-20250 Lease of Equipment	587.89	3,413.63	3,500.00	86.37	97.53%
422-421-20251 Lease - Gasquet Transfer Station	0.00	635.63	700.00	64.37	90.80%
422-421-20270 Minor Equipment	1,057.30	5,131.68	5,141.00	9.32	99.82%
422-421-20280 Delivery Service	0.00	403.50	600.00	196.50	67.25%
422-421-20281 Household Hazardous Waste Event	0.00	31,594.00	31,594.00	0.00	100.00%
422-421-20283 Community Clean-up	429.71	4,297.10	5,160.00	862.90	83.28%
422-421-20285 Special Dept Expense	70.67	3,381.59	3,389.00	7.41	99.78%
422-421-20286 Cash Over/Under	(0.12)	455.57	182.00	(273.57)	250.31%
422-421-20288 City Collections	1,481.74	14,822.40	17,790.00	2,967.60	83.32%
422-421-20290 Travel	760.59	2,850.64	3,000.00	149.36	95.02%
422-421-20297 Vehicle Fuel	86.69	1,755.63	1,800.00	44.37	97.54%
422-421-20301 State Fees	0.00	25,519.00	25,519.00	0.00	100.00%
422-421-20221-060 Printing-Oil Grant - 12/13	0.00	0.00	1,000.00	1,000.00	0.00%
422-421-20221-067 Printing-DOC Grant 12/13	0.00	0.00	400.00	400.00	0.00%
422-421-20239-001 Post Closure Maintenance	700.14	6,324.08	6,500.00	175.92	97.29%
422-421-20240-060 Advertising Oil Grant - 12/13	0.00	0.00	3,050.00	3,050.00	0.00%
422-421-20240-067 Advertising- DOC Grant 12/13	0.00	0.00	2,600.00	2,600.00	0.00%
422-421-20240-069 Advertising - DOC Grant 11/12	285.00	1,005.00	3,123.00	2,118.00	32.18%
422-421-20240-074 Advertising - Oil Grant 11/12	1,305.00	8,308.80	8,900.00	591.20	93.36%

Solid Waste

Statement of Revenues and Expenditures  
12 Months Ended 6/30/2013

	CURRENT MONTH ACTUAL	YTD ACTUAL	YTD BUDGET	YTD VARIANCE	% EXPENDED
422-421-20285-060 Spec Dept Exp-Oil Grant - 12/13	0.00	0.00	6,500.00	6,500.00	0.00%
422-421-20285-067 Spec Dept Exp-DOC Grant 12/13	0.00	0.00	6,000.00	6,000.00	0.00%
422-421-20285-069 Spec Dept Exp - DOC Grant 11/12	200.00	1,075.00	1,205.00	130.00	89.21%
422-421-20285-074 Spec Dept Exp - Oil Grant 11/12	56.65	670.40	2,158.00	1,487.60	31.07%
422-421-20290-060 Travel-Oil Grant - 12/13	0.00	0.00	1,000.00	1,000.00	0.00%
422-421-20290-067 Travel DOC Grant 12/13	0.00	0.00	2,000.00	2,000.00	0.00%
422-421-20290-069 Travel - DOC Grant 11/12	0.00	1,919.48	1,920.00	0.52	99.97%
<b>Total Services and Supplies</b>	<b>340,205.53</b>	<b>1,880,586.44</b>	<b>2,120,425.00</b>	<b>239,838.56</b>	<b>88.69%</b>
422-421-30490 Depreciation Expense	0.00	0.00	110,267.00	110,267.00	0.00%
<b>Total Other Charges</b>	<b>0.00</b>	<b>0.00</b>	<b>110,267.00</b>	<b>110,267.00</b>	<b>0.00%</b>
<b>Total Fixed Assets</b>	<b>0.00</b>	<b>* 0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00%</b>
422-421-70800 ARC Payment OPEB	0.00	0.00	11,125.00	11,125.00	0.00%
422-421-81000 Contingency	0.00	0.00	2,400.00	2,400.00	0.00%
422-421-70530-025 Interfund-Repayment to County	0.00	203,322.27	203,500.00	177.73	99.91%
422-421-70530-199 Interfund-Cost Plan	0.00	44,297.00	48,328.00	4,031.00	91.66%
<b>Total Intrafund Transfers</b>	<b>0.00</b>	<b>247,619.27</b>	<b>265,353.00</b>	<b>17,733.73</b>	<b>93.32%</b>
<b>Total Expenses</b>	<b>378,333.96</b>	<b>2,633,701.42</b>	<b>2,987,101.00</b>	<b>353,399.58</b>	<b>88.17%</b>
<b>Revenues Over (Under) Expenditures</b>	<b>(132,626.95)</b>	<b>50,841.22</b>	<b>0.00</b>	<b>50,841.22</b>	<b>0.00%</b>

<b>CLAIMS APPROVED BY THE DIRECTOR</b>				<b>Jun-13</b>
<i>Date Paid</i>	<i>Paid to:</i>	<i>Budget</i>	<i>Amt. Paid</i>	<i>Description</i>
6/5/2013	DNC Environmental Health	20281	\$210.00	Hazmat
6/6/2013	DNC CDD	20230	\$78.00	CSA Sewer User Fees
6/7/2013	DNC CDD	20230	\$2,916.12	Landfill-Groundwater Testing
6/7/2013	DNC CDD	20230	\$3,566.81	Landfill-Groundwater Testing
6/25/2013	DNC CDD	20230	\$100.70	Landfill-Erosion Repair
6/28/2013	DNC Roads	20230	\$10,023.98	Repair Landfill
6/5/2013	DNSWMA Revolving Fund	20285	\$70.67	Reimbures Petty Cash Fund
6/5/2013	Ca. Dept. of FP Alder Camp	20239	\$600.00	Work at Landfill
6/5/2013	Hi-Tech Security	20224	\$407.50	Repairs/Materias/Labor/
6/5/2013	Bi-Coastal Media	20240-074	\$285.00	Radio Ads
6/5/2013	Bi-Coastal Media	20240-069	\$285.00	Radio Ads
6/5/2013	Mission Linen Supply	20140	\$107.37	Service 04/30,04/16,&04/02
6/5/2013	Tylor, Richard	20235	\$375.00	May Tresure/Controller Service
6/5/2013	DN Office Supply	20224	\$13.22	Office Supplies
6/5/2013	Crescent Ace Hardware	20224	\$6.24	Office Supplies
6/5/2013	G.H. Outreach	20285-069	\$80.00	Recycling Pick-up
6/5/2013	Schmitt,Rita	20290	\$21.47	Personal Mileage
6/5/2013	Babcock, Lisa	20290	\$31.64	Personal Mileage
6/5/2013	Tylor, Richard	20290	\$375.00	June Tresure/Controller Service
6/5/2013	Frontier	20121	\$119.34	Billing 01/13/13-02/13/13
6/5/2013	Frontier	20121	\$118.80	Billing 05/13/13-06/12/13
6/5/2013	Crescent Hay & Feed	20239	\$100.14	Maintenance Supplies
6/5/2013	U.S. Bank	20270	\$1,057.30	Safe for Office
6/5/2013	U.S. Bank	20290	\$79.35	Travel
6/5/2013	U.S. Bank	20224	\$822.02	Topaz Signature Pads
6/5/2013	Two Guys	20231	\$123.63	Plate for Safe
6/6/2013	Northcoast Laboratories	20232	\$1,398.00	TS/LF Water Testing
6/7/2013	Redwood Levitt Ins.	20151	\$1,580.82	Package Renewel
6/7/2013	U.S. Bank	20224	\$45.00	Flat Key
6/7/2013	U.S. Bank	20290	\$493.10	Travel/Training
6/7/2013	The Triplicate	20240	\$255.00	Clean Sweep Ads
6/7/2013	The Triplicate	20240-74	\$450.00	Advertising/Publications
6/7/2013	Bi-Coastal Media	20240-074	\$ 570.00	Radio Ads
6/7/2013	Mission Linen Supply	20140	\$ 71.58	Service 05/14&05/28
6/7/2013	G.H. Outreach	20285-069	\$ 120.00	Recycling Pick-up
6/7/2013	Curry Transfer Roto-Rooter	20140	\$ 271.62	Service KTS & GTS
6/13/2013	Steel, Charles	20290	\$ 74.58	Personal Mileage
6/13/2013	Babcock, Lisa	20290	\$ 24.85	Personal Mileage
6/25/2013	Recology Del Norte	20288	\$ 1,244.64	1001 Front St
6/25/2013	Recology Del Norte	20283	\$ 429.71	500 Cooper Ave.
6/25/2013	Recology Del Norte	20288	\$ 237.10	900 10th St
6/25/2013	Recology Del Norte	20238	\$ 721.12	Old Gasquet Toll Rd.
6/25/2013	Recology Del Norte	20238	\$ 1,802.80	Klamath Beach Road
6/25/2013	U.S. Cellular	20121	\$ 17.59	Service 05/04-06/03/2013
6/25/2013	EBA Engineering	20231	\$ 1,885.00	Direct Labor
6/25/2013	Ricoh	20250	\$ 338.28	Service 05/30-06/29/13
6/25/2013	Thermo Fluids	20285-074	\$ 56.65	Pick-up Service
6/28/2013	Frontier	20121	\$ 282.19	Service 06/13-07/12-13
6/28/2013	Merle Helstowski	20231	\$ 845.00	Signs for TS/KTS/GTS
6/28/2013	IT ESP, INC	20231	\$ 900.00	Back Up/Analysis/Monthly Assistance
	<b>TOTAL</b>		<b>\$ 36,088.93</b>	

3.3

**DNSWMA  
GRAND TOTALS  
JUNE 2013**

	Amount to 422-421 91003	Amount to 422-421 91004	TOTAL AMOUNT
	<b>66.53%</b>	<b>33.47%</b>	
DNCTS Cash Total	34,283.12	17,247.19	<b>51,530.31</b>
DNCTS Charge Total	97,623.23	49,112.43	<b>146,735.66</b>
DNCTS Credit/Debit	11,947.59	6,010.61	<b>17,958.20</b>
<b>DNCTS Totals</b>	<b>143,853.94</b>	<b>72,370.23</b>	<b>216,224.17</b>
Klamath Cash Total		3,956.26	<b>3,956.26</b>
Klamath Charge Total		145.36	<b>145.36</b>
<b>Klamath Totals</b>		<b>4,101.62</b>	<b>4,101.62</b>
Gasquet Cash Total		2,575.07	<b>2,575.07</b>
Gasquet Charge Total		11.15	<b>11.15</b>
<b>Gasquet Totals</b>		<b>2,586.22</b>	<b>2,586.22</b>
Adjustments			
<b>GRAND TOTALS</b>	<b>143,853.94</b>	<b>79,058.07</b>	<b>222,912.01</b>

3.4

**MONTHLY SPLIT SHEET  
DNSWMA TRANSFER STATION  
MONTH: JUNE 2013**

Date	Cash	Checks	Cash/Check Total	Visa	Master	Discover	Credit Card Total	Charges	Grand Total	66.53% 91003	33.47% 91004	20286	Total
1	\$ 2,025.61	\$ 771.65	\$ 2,797.26	\$ 859.91	\$ 79.61		\$ 939.52	\$ 3,238.37	\$ 6,975.15	\$ 1,861.02	\$ 936.24	(\$0.02)	\$ 2,797.24
2	\$ 2,232.19	\$ 487.70	\$ 2,719.89	\$ 1,073.06	\$ 38.69		\$ 1,111.75	\$ 362.90	\$ 4,194.54	\$ 1,809.54	\$ 910.35		\$ 2,719.89
3	\$ 1,244.99	\$ 557.18	\$ 1,802.17	\$ 620.06	\$ 12.23	\$ 140.92	\$ 773.21	\$ 7,484.91	\$ 10,060.29	\$ 1,198.98	\$ 603.19	(\$0.15)	\$ 1,802.02
4	\$ 1,269.53	\$ 350.45	\$ 1,619.98	\$ 749.82	\$ 29.01		\$ 778.83	\$ 6,794.23	\$ 9,193.04	\$ 1,077.77	\$ 542.21	(\$1.19)	\$ 1,618.79
5	\$ 1,205.80	\$ 615.38	\$ 1,821.18	\$ 341.92	\$ 56.10		\$ 398.02	\$ 9,141.59	\$ 11,360.79	\$ 1,211.63	\$ 609.55	(\$0.52)	\$ 1,820.66
6	\$ 1,161.28	\$ 134.02	\$ 1,295.30	\$ 417.62			\$ 417.62	\$ 4,823.15	\$ 6,536.07	\$ 861.76	\$ 433.54	\$0.24	\$ 1,295.54
7	\$ 1,074.70	\$ 308.02	\$ 1,379.72	\$ 438.25	\$ 8.23		\$ 446.48	\$ 6,860.25	\$ 8,686.45	\$ 917.93	\$ 461.79	(\$0.01)	\$ 1,379.71
8	\$ 1,419.75	\$ 349.09	\$ 1,768.84	\$ 900.59	\$ 48.35		\$ 948.94	\$ 415.37	\$ 3,133.15	\$ 1,176.81	\$ 592.03	(\$2.18)	\$ 1,766.66
9	\$ 1,410.30	\$ 282.34	\$ 1,692.64	\$ 527.54	\$ 8.29		\$ 535.83	\$ 317.19	\$ 2,545.66	\$ 1,126.11	\$ 566.53	\$0.12	\$ 1,692.76
10	\$ 1,407.87	\$ 315.29	\$ 1,723.16	\$ 301.29	\$ 6.78		\$ 308.07	\$ 10,206.53	\$ 12,237.76	\$ 1,146.42	\$ 576.74	\$0.41	\$ 1,723.57
11	\$ 1,106.01	\$ 396.80	\$ 1,502.81	\$ 465.13	\$ 8.29		\$ 473.42	\$ 7,071.15	\$ 9,047.38	\$ 999.82	\$ 502.99		\$ 1,502.81
12	\$ 1,247.16	\$ 171.61	\$ 1,418.77	\$ 333.76	\$ 13.82		\$ 347.58	\$ 5,009.22	\$ 6,775.57	\$ 943.91	\$ 474.86	(\$0.02)	\$ 1,418.75
13	\$ 1,027.63	\$ 449.55	\$ 1,477.18	\$ 608.75			\$ 608.75	\$ 5,890.78	\$ 7,976.71	\$ 982.77	\$ 494.41	\$0.10	\$ 1,487.28
14	\$ 1,210.31	\$ 270.72	\$ 1,481.03	\$ 759.50			\$ 759.50	\$ 7,005.84	\$ 9,246.37	\$ 985.33	\$ 495.70	\$0.04	\$ 1,481.07
15	\$ 2,035.31	\$ 536.95	\$ 2,572.26	\$ 72.13			\$ 72.13	\$ 315.01	\$ 2,959.40	\$ 1,711.32	\$ 860.94	(\$1.48)	\$ 2,570.78
16	\$ 1,134.41	\$ 198.77	\$ 1,333.18	\$ 399.66	\$ 19.33		\$ 418.99	\$ 93.04	\$ 1,845.21	\$ 886.96	\$ 446.22	\$0.01	\$ 1,333.19
17	\$ 1,001.33	\$ 457.31	\$ 1,458.64	\$ 463.19		\$ 37.28	\$ 500.47	\$ 9,325.35	\$ 11,284.46	\$ 970.43	\$ 488.21	\$0.77	\$ 1,459.41
18	\$ 1,012.32	\$ 523.54	\$ 1,535.86	\$ 576.42	\$ 81.52		\$ 657.94	\$ 5,756.56	\$ 7,950.36	\$ 1,021.81	\$ 514.05	\$10.03	\$ 1,545.89
19	\$ 950.84	\$ 237.86	\$ 1,188.70	\$ 399.75	\$ 41.45		\$ 441.20	\$ 7,411.25	\$ 9,041.15	\$ 790.84	\$ 397.86	\$0.10	\$ 1,188.80
20	\$ 1,173.60	\$ 2,135.53	\$ 3,309.13	\$ 623.14	\$ 55.20		\$ 678.34	\$ 4,866.62	\$ 8,854.09	\$ 2,201.56	\$ 1,107.57	\$1.99	\$ 3,311.12
21	\$ 1,351.58	\$ 291.96	\$ 1,643.54	\$ 1,121.99	\$ 107.28		\$ 1,229.27	\$ 6,028.44	\$ 8,901.25	\$ 1,093.45	\$ 550.09	\$0.10	\$ 1,643.64
22	\$ 1,884.86	\$ 289.77	\$ 2,174.63	\$ 537.04	\$ 12.43		\$ 549.47	\$ 538.84	\$ 3,262.94	\$ 1,446.78	\$ 727.85	\$0.12	\$ 2,174.75
23	\$ 1,040.97	\$ 193.07	\$ 1,234.04	\$ 380.18			\$ 380.18	\$ 275.28	\$ 1,889.50	\$ 821.01	\$ 413.03	(\$0.08)	\$ 1,233.96
24	\$ 758.97	\$ 212.52	\$ 971.49	\$ 777.36	\$ 15.20		\$ 792.56	\$ 9,180.80	\$ 10,944.85	\$ 646.33	\$ 325.16	(\$10.00)	\$ 961.49
25	\$ 489.88	\$ 101.20	\$ 591.08	\$ 175.40	\$ 33.15		\$ 208.55	\$ 5,069.63	\$ 5,869.26	\$ 393.25	\$ 197.83	\$0.10	\$ 591.18
26	\$ 1,059.26	\$ 129.86	\$ 1,189.12	\$ 310.28	\$ 6.90	\$ 8.29	\$ 325.47	\$ 4,982.46	\$ 6,497.05	\$ 791.12	\$ 398.00	\$0.10	\$ 1,189.22
27	\$ 1,028.60	\$ 1,199.08	\$ 2,227.68	\$ 397.79	\$ 98.97		\$ 496.76	\$ 7,452.33	\$ 10,176.77	\$ 1,482.08	\$ 745.60	\$0.01	\$ 2,227.69
28	\$ 1,418.13	\$ 506.86	\$ 1,924.99	\$ 415.65	\$ 105.00		\$ 520.65	\$ 9,569.11	\$ 12,014.75	\$ 1,280.70	\$ 644.29	\$0.18	\$ 1,925.17
29	\$ 1,491.98	\$ 285.98	\$ 1,777.96	\$ 1,361.38	\$ 15.41		\$ 1,376.79	\$ 929.45	\$ 4,084.20	\$ 1,182.88	\$ 595.08	(\$0.89)	\$ 1,777.07
30	\$ 1,422.42	\$ 475.66	\$ 1,898.08	\$ 427.26	\$ 34.65		\$ 461.91	\$ 320.01	\$ 2,680.00	\$ 1,262.79	\$ 635.29	(\$0.14)	\$ 1,897.94
			\$ -				\$ -		\$ -	\$ -	\$ -		\$ -
<b>TOTAL</b>	<b>\$ 38,294.59</b>	<b>\$ 13,235.72</b>	<b>\$ 51,530.31</b>	<b>\$ 16,835.82</b>	<b>\$ 935.89</b>	<b>\$ 186.49</b>	<b>\$ 17,958.20</b>	<b>\$ 146,735.66</b>	<b>\$ 216,224.17</b>	<b>\$ 34,283.12</b>	<b>\$ 17,247.19</b>	<b>\$ 7.74</b>	<b>\$ 51,538.05</b>

# Del Norte Solid Waste Management Authority

## A/R Aging Summary

As of June 30, 2013

9:45 AM  
07/19/13

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
			772.21	473.80	0.00	4,670.62
	3,424.61	0.00	0.00	0.00	0.00	9.67
	9.67	0.00	0.00	0.00	0.00	76.74
	76.74	0.00	35.91	41.44	231.98	330.03
	20.70	0.00	0.00	0.00	0.00	10.02
	10.02	0.00	0.00	0.00	0.00	280.46
	280.46	0.00	0.00	0.00	0.00	38.68
	38.68	0.00	0.00	0.00	0.00	43.78
	0.00	0.00	0.00	0.00	43.78	68.30
	68.30	0.00	0.00	0.00	0.00	14.92
	14.92	0.00	0.00	0.00	0.00	2,323.84
	1,626.14	0.00	150.59	547.11	0.00	95.33
	84.28	0.00	0.00	11.05	0.00	89.81
	89.81	0.00	0.00	0.00	0.00	222.44
	222.44	0.00	0.00	0.00	0.00	9.67
	9.67	-100.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.00	491.85
	491.85	0.00	0.00	0.00	0.00	18.64
	18.64	0.00	0.00	0.00	0.00	30.40
	30.40	0.00	281.83	-15,000.00	0.00	1,597.01
	1,314.65	0.00	0.00	0.00	0.53	-15,000.00
	0.00	0.00	-63.12	0.00	0.00	-63.12
	0.00	0.00	0.00	0.00	0.00	15.20
	0.00	0.00	0.00	0.00	0.00	35.92
	15.20	0.00	0.00	0.00	0.00	95.33
	35.92	0.00	0.00	0.00	0.00	472.48
	95.33	0.00	0.00	0.00	0.00	56.39
	472.48	0.00	0.00	0.00	0.00	849.81
	56.39	0.00	0.00	0.00	0.00	19.34
	849.81	0.00	0.00	0.00	0.00	576.49
	19.34	0.00	0.00	0.00	0.00	230.73
	0.00	0.00	0.00	0.00	0.00	345.41
	0.00	0.00	0.00	0.00	0.01	139.88
	19.34	0.00	0.00	0.00	0.00	2,032.34
	0.00	0.00	0.00	0.00	0.00	131.01
	230.73	0.00	21.30	28.07	0.00	190.46
	345.40	0.00	0.00	0.00	0.00	23.49
	90.51	0.00	0.00	0.00	190.46	791.48
	2,032.33	0.00	21.98	0.00	0.00	5,809.08
	109.03	0.00	0.00	0.00	384.28	98.09
	0.00	0.00	0.00	0.00	4,016.46	483.56
	23.49	0.00	41.88	234.54	0.00	2,605.51
	130.78	0.00	504.33	223.90	0.00	19.34
	1,064.39	0.00	0.00	0.00	2,002.66	37.30
	98.09	0.00	63.55	6.21	6.91	332.81
	420.01	0.00	507.05	0.00	37.30	192.11
	89.59	0.00	0.00	0.00	0.00	1,127.61
	12.43	0.00	0.00	0.00	134.09	7,711.16
	0.00	0.00	0.00	0.00	1,127.61	9.67
	332.81	0.00	0.00	6.90	7,638.12	5.53
	51.12	0.00	0.00	0.00	9.67	16.65
	0.00	0.00	0.00	0.00	0.00	106.40
	73.04	0.00	0.00	0.00	0.00	602.88
	0.00	0.00	0.00	0.00	0.00	59.67
	0.00	0.00	0.00	0.00	0.50	48.35
	16.65	0.00	0.00	0.00	0.00	8.29
	106.40	0.00	0.00	360.60	0.00	45.59
	241.78	0.00	0.00	0.00	0.00	234.10
	59.67	0.00	0.00	0.00	0.00	290.14
	48.35	0.00	0.00	0.00	0.00	603.82
	8.29	0.00	0.00	0.00	0.00	1,153.82
	0.00	0.00	0.00	0.00	0.00	218.47
	234.10	0.00	0.00	0.00	0.00	31.78
	290.14	0.00	0.00	236.87	0.00	156.93
	603.82	0.00	0.00	276.70	0.00	207.99
	117.43	0.00	0.00	199.38	0.00	0.00
	877.12	0.00	0.00	0.00	0.00	0.00
	19.09	0.00	0.00	0.00	0.00	0.00
	31.78	0.00	0.00	0.00	0.00	0.00
	156.93	0.00	0.00	0.00	0.00	0.00
	207.99	0.00	0.00	0.00	0.00	0.00

**Del Norte Solid Waste Management Authority**  
**A/R Aging Summary**  
 As of June 30, 2013

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Hartley Construction	19.34	0.00	0.00	0.00	0.00	19.34
HASP / Jordan Recovery Centers	330.41	0.00	0.00	0.00	0.00	330.41
Hintz Construction	0.00	0.00	0.00	0.00	127.60	127.60
Humane Society Of Del Norte	0.00	0.00	0.00	0.00	0.00	0.00
Humboldt Moving & Storage	44.21	0.00	0.00	0.00	0.00	44.21
Investment Realty	66.66	0.00	0.00	0.00	0.00	66.66
Jacob R. Crager	0.00	0.00	0.00	0.00	44.00	44.00
Klamath Transfer Station	0.00	0.00	0.00	0.00	60.47	60.47
Larson Services	113.14	0.00	20.72	29.01	0.00	162.87
Lehman Property Management	0.00	0.00	0.00	0.00	1,885.22	1,885.22
Lighthouse Community Church	15.33	0.00	0.00	0.00	0.00	15.33
Lighthouse Repertory Theatre	31.31	0.00	58.03	0.00	0.00	89.34
LNL Design and Construction	104.51	0.00	0.00	0.00	0.00	104.51
Lucky 7 Casino	0.00	0.00	0.00	0.00	0.17	0.17
Malloroy Construction	130.71	13.95	0.00	0.00	0.00	144.66
Mark Wooding Construction	0.00	0.00	0.00	0.00	-120.00	-120.00
Mastaloudis Homes Inc.	7.26	0.00	48.74	154.75	0.00	210.75
Ming Tree Real Estate	0.00	0.00	0.00	0.00	-16.10	-16.10
Moen Investments	0.00	0.00	0.00	0.00	0.00	0.00
Mountain Power Tree Co.	16.58	0.00	0.00	0.00	0.00	16.58
Mow Blow and Go	9.20	0.00	0.00	0.00	0.00	9.20
Murray Construction	128.49	0.00	0.00	0.00	0.00	128.49
Newey, Harold L.	204.74	0.00	0.00	13.95	0.00	218.69
Niehoff Construction	0.00	0.00	0.00	17.91	789.80	807.71
Norbury Construction	0.00	0.00	0.00	0.00	116.70	116.70
North Coast Properties	355.31	0.00	0.00	0.00	0.00	355.31
North Woods Realty	16.58	0.00	0.00	0.00	0.00	16.58
Northridge Electric	42.63	0.00	0.00	0.00	0.00	42.63
Pappas Dry Wall	66.30	0.00	0.00	0.00	0.00	66.30
Peasley's Property Mang.	34.54	0.00	0.00	0.00	0.00	34.54
Pelican Bay Evangelical Free Church	15.85	0.00	0.00	0.00	0.00	15.85
Pelican Bay Roofing Co.	1,796.05	0.00	0.00	0.00	0.00	1,796.05
Plunkett's Family Painting	39.69	0.00	0.00	0.00	0.00	39.69
Ray's Mobile Home Service	9.67	0.00	0.00	0.00	0.00	9.67
Recology Del Norte ( Franchise)	92,139.60	0.00	0.00	0.00	0.00	92,139.60
Recology Del Norte (Prison)	9,365.87	0.00	0.00	0.00	0.00	9,365.87
Red Sky Roofing	12,370.87	0.00	0.00	6,665.48	0.00	19,036.35
Redwood Community Action Agency	93.93	0.00	0.00	0.00	0.00	93.93
Redwood National Park	1,462.30	0.00	0.00	0.00	3,157.92	4,620.22
Reservation Ranch	2,264.45	0.00	961.60	0.00	0.00	3,226.05
Ritchie Homes	750.21	0.00	0.00	0.00	0.00	750.21
Ron's Hauling	0.00	0.00	0.00	0.00	-5.00	-5.00
Roy Rook Construction	482.18	0.00	0.00	0.00	0.00	482.18
Ruiz Construction	63.57	0.00	0.00	0.00	0.00	63.57
Rumiano Cheese Company	25.66	0.00	0.00	0.00	0.00	25.66
Schnacker's General Hauling	27.63	0.00	0.00	0.00	0.00	27.63
Seabreeze Apartments	8.17	0.00	0.00	0.00	0.00	8.17
Seagull Apartments	29.01	0.00	0.00	0.00	0.00	29.01
Seawood Village	8,496.82	0.00	0.00	0.00	0.00	8,496.82
Shangri-la Trailer Court	0.00	0.00	0.00	0.00	0.04	0.04
Smith River Alliance	31.77	0.00	0.00	0.00	0.00	31.77
Smith River Equipment	17.96	0.00	6.90	0.00	0.00	24.86
Sprint Courier Service	63.55	0.00	0.00	0.00	0.00	63.55
Spruce Haven Mobile Home Park	0.00	0.00	0.00	0.00	0.00	0.00
St. Joseph's Parish	2.76	0.00	0.00	0.00	0.00	2.76
Stephen F White Gen.Cont. Inc.	121.58	0.00	80.77	0.00	0.00	202.35
Stone Roofing	4,376.91	0.00	0.00	0.00	0.00	4,376.91
Stremberg Realty	0.00	0.00	0.00	0.00	-0.45	-0.45
SWEEP ALOT	0.00	0.00	0.00	0.00	0.00	0.00
Tab & Associates	410.17	0.00	0.00	0.00	0.02	410.19
Thermo Fluids, Inc. / Outbound OIL	0.00	-10.49	0.00	0.00	-45.31	-55.80
Thomas Gavin Construction	13.81	0.00	8.29	0.00	0.00	22.10
Tim Haban Construction	19.34	0.00	63.56	0.00	0.00	82.90
Totem Villa Apartments	44.80	0.00	0.00	0.00	0.00	44.80
TRKLA/TRGAS BINS AND LF BINS	10,205.06	0.00	4,915.87	5,346.39	38,339.56	58,806.88
U.S. Forest Service-Gasquet CA	0.00	0.00	0.00	0.00	1,120.96	1,120.96

9:45 AM

07/19/13

**Del Norte Solid Waste Management Authority**  
**A/R Aging Summary**  
As of June 30, 2013

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
V Primo Construction	0.00	0.00	0.00	1,026.53	0.00	1,026.53
Van Arsdale Construction	1,626.14	0.00	0.00	0.00	0.00	1,626.14
Van Nocker's Cleaning	13.82	0.00	23.48	0.00	0.00	37.30
VISA	0.00	0.00	0.00	0.00	19.26	19.26
Wigley Contracting	0.00	-2.53	0.00	0.00	0.00	-2.53
Winn's Maintance Service	0.00	0.00	0.00	0.00	-25.00	-25.00
Your Creation	0.00	0.00	0.00	0.00	1,092.66	1,092.66
Yurok Indian Housing Authority	203.42	0.00	0.00	0.00	0.00	203.42
Yurok Tribe	1,089.06	0.00	0.00	0.00	0.00	1,089.06
<b>TOTAL</b>	<u>166,918.67</u>	<u>-99.07</u>	<u>9,599.02</u>	<u>-172.96</u>	<u>62,994.50</u>	<u>239,240.16</u>

**DNSWMA**  
**KLAMATH TRANSFER STATION CASH**  
**June 2013**

Date	Amount to	TOTAL CASH AMOUNT
	422-421 91004	
June 2, 2013	504.09	504.09
June 5, 2013	469.01	469.01
June 9, 2013	615.75	615.75
June 12, 2013	305.42	305.42
June 16, 2013	457.50	457.50
June 19, 2013	277.65	277.65
June 22, 2013	391.52	391.52
June 26, 2013	354.28	354.28
June 30, 2013	581.04	581.04
		0.00
		0.00
<b>TOTAL</b>	<b>3,956.26</b>	<b>3,956.26</b>



**DNSWMA**

**GASQUET TRANSFER STATION - CASH**

**June 2013**

<b>Date</b>	<b>Amount to 422-421</b>	<b>TOTAL CASH AMOUNT</b>
	<b>91004</b>	
<b>06/01/13</b>	<b>534.07</b>	<b>534.07</b>
<b>06/08/13</b>	<b>618.54</b>	<b>618.54</b>
<b>06/15/13</b>	<b>508.23</b>	<b>508.23</b>
<b>06/22/13</b>	<b>544.03</b>	<b>544.03</b>
<b>06/29/13</b>	<b>370.20</b>	<b>370.20</b>
		<b>0.00</b>
<b>TOTAL</b>	<b>2575.07</b>	<b>2575.07</b>







**AUTHORITY      REVENUE      REPORT      May 2013**

Source		2011/2012		2012/2013	
Franchise Fee		Actual	Annual	Budget/Month	Budget/Year
	\$	186,660.00		\$ 21,417.00	\$ 257,000.00
		Actual/Month	Comparison FYE12 & FYE13	Actual/Month	Over/Under Budget
July	\$	22,426.00	\$ (3,371.00)	\$ 19,055.00	\$ (2,362.00)
August	\$	22,303.00	\$ (1,945.00)	\$ 20,358.00	\$ (1,059.00)
September	\$	25,998.00	\$ (4,784.00)	\$ 21,214.00	\$ (203.00)
October	\$	21,885.00	\$ (1,320.00)	\$ 20,565.00	\$ (852.00)
November	\$	23,761.00	\$ (3,778.00)	\$ 19,983.00	\$ (1,434.00)
December	\$	21,986.00	\$ (2,093.00)	\$ 19,893.00	\$ (1,525.00)
January	\$	20,201.00	\$ (1,036.00)	\$ 19,165.00	\$ (2,252.00)
February	\$	20,548.00	\$ 363.00	\$ 20,911.00	\$ (506.00)
March	\$	19,236.00	\$ 1,311.00	\$ 20,547.00	\$ (870.00)
April	\$	19,547.00	\$ 54.00	\$ 19,601.00	\$ (1,816.00)
May	\$	20,211.00	\$ (528.00)	\$ 19,683.00	\$ (1,734.00)
June	\$	19,510.00	\$ 454.00	\$ 19,964.00	\$ (1,453.00)
Total	\$	257,612.00		\$ 240,939.00	\$ (16,066.00)



## DEPARTMENT OF RESOURCES RECYCLING AND RECOVERY

1001 I STREET, SACRAMENTO, CALIFORNIA 95814 • WWW.CALRECYCLE.CA.GOV • (916) 322-4027  
P.O. BOX 4025, SACRAMENTO, CALIFORNIA 95812

July 8, 2013

Mr. Ted Ward, M.S., Program Manager  
Del Norte Solid Waste Management Authority  
1700 State Street  
Crescent City, California 95531



**CRESCENT CITY LANDFILL, DEL NORTE COUNTY (08-AA-0006)**  
**JUNE 2013 SITE VISIT**

Dear Mr. Ward:

It was a pleasure meeting you on Monday, June 24, 2013, at the Crescent City Landfill, and I appreciate your help during my site visit. As you know, the main purpose of my site visit was to observe the results of the activities that had recently been undertaken to remedy problems associated with settlement, erosion, and drainage issues. Based on my site visit and a walk-through within the constructed area, it appeared that the issues noted by CalRecycle staff during a previous inspection had been corrected. Furthermore, the area had been seeded and it appeared that the vegetation had started to sprout and in some areas was growing.

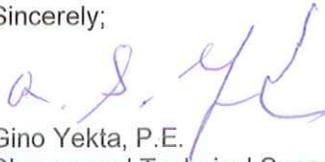
I have attached an inspection report that contains the following observations.

*Cover Vegetation:* Aside from the area that had just been re-worked, the vegetation on the remainder of the cover was relatively tall which made it difficult to determine the adequacy of the cover. CalRecycle suggests the vegetation be cut (whether by mowing, use of animals, etc.) and managed so that cover inspection can be easily conducted.

*Landfill Gas Compliance Wells:* Based on the one well I observed, I suggest the Operator provide CalRecycle with the as-builts and/or construction drawings. Once we receive the requested materials, we can determine whether the wells are in compliance with State regulations.

Thank you again for your assistance during my site visit. Please call me at 916-341-6354 or e-mail me at [gino.yekta@calrecycle.ca.gov](mailto:gino.yekta@calrecycle.ca.gov) if you have any questions.

Sincerely;

  
Gino Yekta, P.E.  
Closure and Technical Support Section

Enclosure: Inspection Report

cc: Gina Morrison, North Coast Regional Water Quality Control Board  
Bryan McNalley, Del Norte County Community Development Department

4.1

## Closed Disposal Site Inspection Report (188)

Enforcement Agency:		County of Del Norte			
SWIS Facility File Number (99-xx-9999)		Inspection Date		Program Code	
08-AA-0006		6/24/2013		CalRecycle Closed Sites	
Time In	8:00	Time Out	9:45	Inspection Time	1.45
Facility Name			Received By		
Crescent City Landfill			Del Norte Solid Waste Mgmt. Auth.		
Facility Location			Owner Name		
Hights Access Rd Off Old Mill Rd, Crescent City 95531					
Inspector			Also Present (Name)		
Gino Yekta			Mr. Tedd Ward (Operator), Mr. Bryan McNalley and M		
THE ABOVE FACILITY WAS INSPECTED FOR COMPLIANCE WITH APPLICABLE SECTIONS OF THE DIVISION 30 OF THE PUBLIC RESOURCES CODE (PRC) AND TITLE 14 AND TITLE 27 CALIFORNIA CODE OF REGULATIONS (CCR)					
No Violations or Areas of Concern					
V	A	Regulations			
	X	21180 - Postclosure Maintenance			
		Comments: Cover Vegetation: The final cover vegetation was relatively tall making it difficult to determine the adequacy of the cover. CalRecycle suggests the vegetation be cut and managed so that cover inspection can be easily conducted			
	X	20925 - Perimeter Monitoring Network			
		Comments: Based on the one well observed, the Operator should provide CalRecycle with the as-builts /construction drawings of all of the compliance wells. Once the requested materials are reviewed, determination of whether the wells are in compliance with State regulations can be made.			
Inspection Report Comments:					

Vendor EBA Engineering

Claim ID: 6815

AUDITOR COPY

Attn: Accounts Receivable

Page 1 of 1

825 Sonoma Ave, Suite C

Santa Rosa

Ca

95404

Vendor ID:

19123

PBSP Expense

Change of Address

Special

Warrant

Routing

Fund	Dept	Line	Proj	Amount	Description
422	421	20231		\$0.00	INV#:25155 2012/2013
				\$7,150.22	CC Landfill Environmental Service 06/01-06/30/13

Total Claim: \$7,150.22

REBY CERTIFY THE ARTICLES OR SERVICES DESCRIBED ON THE ATTACHED INVOICES WERE NECESSARY  
USE BY THE DEPARTMENT AND HAVE BEEN RECEIVED, AND THAT NO PRIOR CLAIM FOR SAME HAS BEEN

A.2

*Richard J. Ryan*  
Signature of Department Head/Authorized Deputy

7/10/2013

Claim Date

Please Remit to:  
 Attn: Accounts Receivable  
 825 Sonoma Ave, Suite C  
 Santa Rosa, CA 95404

\*\*\*INVOICE\*\*\*



Invoice #: 25155  
 Date: 06/30/13  
 Customer PO:

Balance this Invoice: 7,150.22  
 Past Due: 1,885.00  
**Now Due and Payable: 9,035.22**

Customer Name:  
 Del Norte Solid Waste Mgt. Authority  
 Ted Ward  
 1700 State Street  
 Crescent City, Ca 95531

If you have any questions regarding this invoice, please  
 contact Nazar Eljumaily 707 544-0784  
 admineba@ebagroup.com

For Period: 06/01/13 06/30/13  
 Job#: 13-1902 Crescent City Landfill Environmental Services

Task: A1 Closure Cost & Documentation Review

Direct Labor			
	Staff Geologist	0.25 @ 85.00	21.25
Total Direct Labor			21.25
			<hr/>
Total Task A1 Closure Cost & Documentation Review			21.25

Task: A2 Produce Non-water Release Corrective Action Estimate

Direct Labor			
	Senior Geologist	0.50 @ 125.00	62.50
Total Direct Labor			62.50
			<hr/>
Total Task A2 Produce Non-water Release Corrective Action Estimate			62.50

Task: A4 Submit Final Five Year Review Application

Direct Labor			
	Senior Geologist	6.25 @ 125.00	781.25
	Word Processing	0.75 @ 50.00	37.50
	Design Draftperson II	0.25 @ 90.00	22.50
Total Direct Labor			841.25
			<hr/>
Total Task A4 Submit Final Five Year Review Application			841.25

Task: B3 Spreadsheet Analysis

Direct Labor			
	Senior Geologist	1.75 @ 125.00	218.75
	Staff Geologist	3.00 @ 85.00	255.00
Total Direct Labor			473.75
			<hr/>
Total Task B3 Spreadsheet Analysis			473.75

Task: B4 Data Collection

Direct Expense

12/13

19123 / 20231  
 Bd Approval \_\_\_\_\_  
 7/23/13

Please Remit to:  
 Attn: Accounts Receivable  
 825 Sonoma Ave, Suite C  
 Santa Rosa, CA 95404

\*\*\*INVOICE\*\*\*



Invoice #: 25155  
 Date: 06/30/13  
 Customer PO:

Balance this Invoice: 7,150.22  
 Past Due: 1,885.00  
**Now Due and Payable: 9,035.22**

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 Del Norte Solid Waste Mgt. Authority  
 Ted Ward  
 1700 State Street  
 Crescent City, Ca 95531

If you have any questions regarding this invoice, please  
 contact Nazar Eljumaily 707 544-0784  
 admin@ebagroup.com

For Period: 06/01/13 06/30/13  
 Job#: 13-1902 Crescent City Landfill Environmental Services

McMaster-Carr Supply		122.60
Mileage		350.76
Monitoring Equipment		762.22
Per Diem		222.14
Total Direct Expense		----- 1,457.72
Direct Labor		
Staff Geologist	14.25 @ 85.00	1,211.25
Senior Environmental Scientist	2.00 @ 110.00	220.00
Senior Geologist	11.25 @ 125.00	1,406.25
Word Processing	0.25 @ 50.00	12.50
Total Direct Labor		----- 2,850.00
Total Task B4 Data Collection		----- 4,307.72
<u>Task: B5 Data Analysis</u>		
Direct Labor		
Staff Geologist	4.00 @ 85.00	340.00
Senior Geologist	2.50 @ 125.00	312.50
Total Direct Labor		----- 652.50
Total Task B5 Data Analysis		----- 652.50
<u>Task: B6 Draft Crescent City Landfill Gas Heat Input Capacity Report</u>		
Direct Labor		
Design Draftperson II	1.00 @ 90.00	90.00
Staff Geologist	2.00 @ 85.00	170.00
Senior Geologist	3.50 @ 125.00	437.50
Total Direct Labor		----- 697.50
Total Task B6 Draft Crescent City Landfill Gas Heat Input Capacity Report		----- 697.50

Task: C1 GW Work Plan

Please Remit to:  
Attn: Accounts Receivable  
825 Sonoma Ave, Suite C  
Santa Rosa, CA 95404

\*\*\*INVOICE\*\*\*



Invoice #: 25155  
Date: 06/30/13  
Customer PO:

Balance this Invoice: 7,150.22  
Past Due: 1,885.00  
**Now Due and Payable: 9,035.22**

Customer Name:  
Del Norte Solid Waste Mgt. Authority  
Ted Ward  
1700 State Street  
Crescent City, Ca 95531

If you have any questions regarding this invoice, please  
contact Nazar Eljumaily 707 544-0784  
admineba@ebagroup.com

For Period: 06/01/13 06/30/13  
Job#: 13-1902 Crescent City Landfill Environmental Services

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Direct Labor		
Senior Geologist	0.75 @ 125.00	93.75
Total Direct Labor		93.75
Total Task C1 GW Work Plan		93.75

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TOTAL INVOICE		7,150.22
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***DRAFT***

June 28, 2013

Mr. Tedd Ward, Program Manager  
Del Norte Solid Waste Management Authority (Authority)  
1700 State Street  
Crescent City, CA 95531

**RE: LANDFILL GAS HEAT INPUT CAPACITY REPORT  
CRESCENT CITY LANDFILL, DEL NORTE COUNTY, CALIFORNIA  
EBA JOB No. 13-1902 (TASK B7)**

Dear Mr. Ward:

This document has been prepared for the Crescent City Landfill (Landfill) to comply with the *Methane Emissions from Municipal Solid Waste Landfill* requirements associated with Title 17 of the California Code of Regulations (17CCR), Subchapter 10, Article 4, Subarticle 6 (referred to herein as "Assembly Bill 32 [AB32]"). Specifically, this submittal addresses initial reporting requirements stipulated in 17CCR, §95470(b)(5) for calculation of the landfill gas (LFG) heat input capacity for the Landfill. As stipulated in the regulations, active, inactive and closed landfills having greater than or equal to 450,000 tons of waste-in-place must calculate the landfill's LFG heat input capacity. If the calculated LFG heat input capacity for the current calendar year is greater than or equal to 3.0 million British thermal units per hour (MMbtu/hr) recovered, provisions must be made to implement applicable sections of AB32. Conversely, a closed landfill with a current LFG heat input capacity below this threshold is not required to fulfill the requirements of AB32.

The Landfill was formally closed in 2005 and is equipped with a passive gas venting system. Based on these characteristics, the corresponding LFG heat input capacity must be determined in accordance with 17CCR, §95471(b)(3), which requires two calculation methods. The first method entails a spreadsheet analysis based on the 2006 Intergovernmental Panel on Climate Change (IPCC) Guidelines. The second method requires field measurements of methane flow and concentration from each passive gas vent to determine the cumulative emissions generated by the passive gas venting system. Both of these methods were employed accordingly for the Landfill and are described in the following sections.

## **SPREADSHEET ANALYSIS**

The spreadsheet analysis was performed using the Landfill Gas Tool (LGT) model developed by the California Environmental Protection Agency, Air Resources Board (ARB). The primary input parameters for the LGT model include an anaerobic decomposition factor ("k"), historical waste deposition, and the percent of anaerobically degradable carbon ("ANDOC%"). Descriptions of the variables used in this analysis are as follows:

- *k Value:*

A value of 0.057 was used in the analysis. This value corresponds to the default value for areas with an average rainfall of greater than 40 inches per year.

- *Waste Deposition:*

Historical scale records and information were used for annual tonnages for the period of 1995 through 2005. As for the period of 1977 through 2004, research and modeling for this period determined an estimated total in-place waste tonnage of approximately 222,900 tons. This total tonnage was broken into incremental disposal tonnages by assuming a five percent annual increase, starting with an assumed initial disposal tonnage of 7,900 tons in 1977.

- *ANDOC%*

Two sets of ANDOC% values were used in the analyses. The first set corresponded to the default values utilized by the LGT model. An alternate set was developed using site-specific data from a waste characterization study conducted by the Authority in 1997. In essence, the percentages of different types of waste determined from the 1997 waste characterization study was compared to the default “waste-in-place fractions “WIPFRAC” identified in Table 6 of the LGT model, which was based on data compiled by the California Integrated Waste Management Board for the period 1996 through 2002. A correction factor was determined for each waste type by calculating the percentage difference between the two data sets. The corresponding correction factor for each waste type was then applied to the various default WIPFRAC values for the different default time periods included in the LGT model (Tables 3 through 5 and Table 7) to derive adjusted WIPFRAC values. Finally, the adjusted WIPFRAC values for each time period were entered into the LGT model’s “Landfill Specific Value Calculator for the Percentage of Anaerobically Degradable Carbon (ANDOC%)” spreadsheet to calculate a site-specific ANDOC% value for each time period.

The results from the spreadsheet analyses are enclosed in Attachments 1 and 2. Attachment 1 presents the results using the LGT model’s default ANDOC% values, whereas Attachment 2 includes the results derived from the site-specific ANDOC% values. As presented in these attachments, the “Landfill Gas Captured and Captured Gas Heat” (i.e., LFG heat input capacity) for the two scenarios are 2.5 and 2.0 MMbtu/hr, respectively, for the 2013 calendar year.

## FIELD ANALYSIS

The field analysis entailed the collection of parameter data from the various passive gas vents located within the Landfill’s waste management unit. A total of 48 locations were monitored as part of the field analysis. A site plan showing the passive gas vent locations is presented as Figure 1 (Attachment 3). The scope of work, which was performed by a staff geologist

# DRAFT

employed by EBA Engineering (EBA), included measurement of the following parameters at each passive gas vent location:

- Cross sectional area of each passive gas vent opening.
- LFG flow emitting from each passive gas vent. Flow was measured using a hand-held anemometer with a minimum measuring range of 0.1 meters per second.
- Methane concentration of the LFG emitting from each passive gas vent. The methane concentration was measured using a portable flame ionization detector (FID) meeting the specification and performance requirements of EPA Reference Method 21. The FID meter was properly calibrated prior to use. The minimum detection limit of the FID meter was 1.0 parts per million (ppm).
- Temperature of the LFG emitting from each passive gas vent. Temperature readings were necessary for converting flows from actual cubic feet per minute (ACFM) to standard cubic feet per minute (SCFM). The temperature was measured using the hand-held anemometer.

A temporary 6-inch diameter shroud with an access port was inserted on the end of each passive gas vent to protect against ambient wind conditions that could potentially affect the flow, methane and/or temperature readings. In addition, in cases where no flow was recorded using the 6-inch diameter shroud, an alternate shroud was installed that effectively reduced the discharge diameter to 1.25 inches, thereby promoting higher and more measurable flow conditions. Such provisions were implemented at all but one location.

Since the field LFG flow measurements were in units of ACFM, provisions were made to convert these readings to SCFM as stipulated in the regulations. Other variables required to perform this conversion include temperature, pressure, and vapor pressure of the moisture fraction to allow for moisture correction. As outlined above, field temperature readings were directly recorded for this purpose. Since the Landfill elevation is near sea level and the measured flows from the passive gas vents minor, the pressure was assumed to be equal to standard pressure (i.e., 14.7 pounds per square inch actual [psia]). Finally, the LFG was assumed to be 100 percent saturated (typical), thus the vapor pressure was estimated based on the LFG temperature, which in turn was used to calculate the moisture correction factor.

A spreadsheet summarizing the field data and the corresponding calculations described above is enclosed in Attachment 4. In accordance with 17CCR, §95471(b)(3)(B), the LFG heat input capacity was calculated for each passive gas vent by multiplying the product of the measured LFG flow rate and methane concentration by a methane gross heating value (GHV) of 1,012 British thermal units per standard cubic feet (btu/SCF). The corresponding result for each passive gas vent was then converted to MMBtu/hr and all of the individual results summed together to calculate a total LFG heat input capacity for the Landfill of approximately 0.1 MMBtu/hr.

# ***DRAFT***

## **CONCLUSIONS**

As presented in the previous sections, three separate LFG heat input capacity values were calculated for the Landfill using the spreadsheet and field analysis methodologies. The corresponding results yielded LFG heat input capacity values of 2.5, 2.0 and 0.1 MMbtu/hr. As stipulated in 17CCR, §95471(b)(3), the highest of these values must be compared to the 3.0 MMbtu/hr threshold to determine application with AB32. Since the maximum calculated value of 2.5 MMbtu/hr is below the threshold and the Landfill has been formerly closed, the Landfill is hereby exempt from current and future AB32 requirements.

## **CLOSING**

If you should have any questions regarding the information contained herein, please do not hesitate to contact our office at (707) 544-0784.

Sincerely,  
**EBA ENGINEERING**

Mike Delmanowski, C.E.G., C.Hg.  
Senior Hydrogeologist

Dale Solheim, P.E.  
Principal Engineer

Enclosures: Attachment 1 – Spreadsheet Analysis Using Default ANDOC% Values  
Attachment 2 – Spreadsheet Analysis Using Site-Specific ANDOC% Values  
Attachment 3 – Figure 1, Passive Gas Vent Locations  
Attachment 4 – Field Analysis Results and Calculations

**ATTACHMENT 1**

**SPREADSHEET ANALYSIS  
USING  
DEFAULT ANDOC% VALUES**

**Data Input: Lanfill Characteristics**

Landfill Name: <input type="text" value="Crescent City LF"/>	Year Opened: <input type="text" value="1977"/>	<a href="#">Click for lists of k values</a>
State/Country: <input type="text" value="CA"/>	If Closed, Year: <input type="text" value="2005"/>	k Value: <input type="text" value="0.057"/>
City/County: <input type="text" value="Del Norte"/>		M Value: <input type="text"/>

**Data Input: Waste Deposit History**

Year	Waste		Daily Cover			
	Waste Deposited		Greenwaste & Compost		Sludge	
	Tons	% ANDOC	Tons	% ANDOC	Tons	% ANDOC
1974						
1975						
1976						
1977	7,900	10.34%		6.24%		2.50%
1978	8,295	10.34%		6.24%		2.50%
1979	8,710	10.34%		6.24%		2.50%
1980	9,145	10.34%		6.24%		2.50%
1981	9,602	10.34%		6.24%		2.50%
1982	10,083	10.34%		6.24%		2.50%
1983	10,587	10.34%		6.24%		2.50%
1984	11,116	10.34%		6.24%		2.50%
1985	11,672	11.02%		6.24%		2.50%
1986	12,255	11.02%		6.24%		2.50%
1987	12,868	11.02%		6.24%		2.50%
1988	13,512	11.02%		6.24%		2.50%
1989	14,187	11.02%		6.24%		2.50%
1990	14,897	11.02%		6.24%		2.50%
1991	15,641	11.02%		6.24%		2.50%
1992	16,424	11.02%		6.24%		2.50%
1993	17,245	11.62%		6.24%		2.50%
1994	18,764	11.62%		6.24%		2.50%
1995	21,686	11.62%		6.24%		2.50%
1996	22,031	8.42%		6.24%		2.50%
1997	22,491	8.42%		6.24%		2.50%
1998	22,602	8.42%		6.24%		2.50%
1999	25,719	8.42%		6.24%		2.50%
2000	36,604	8.42%		6.24%		2.50%
2001	34,397	8.42%		6.24%		2.50%
2002	24,141	8.42%		6.24%		2.50%
2003	25,748	7.45%		6.24%		2.50%
2004	24,402	7.45%		6.24%		2.50%
2005	5,183	7.45%		6.24%		2.50%
2006						
2007						
2008						
2009						
2010						
2011						
2012						
2013						
2014						
2015						
2016						
2017						
2018						
2019						
2020						

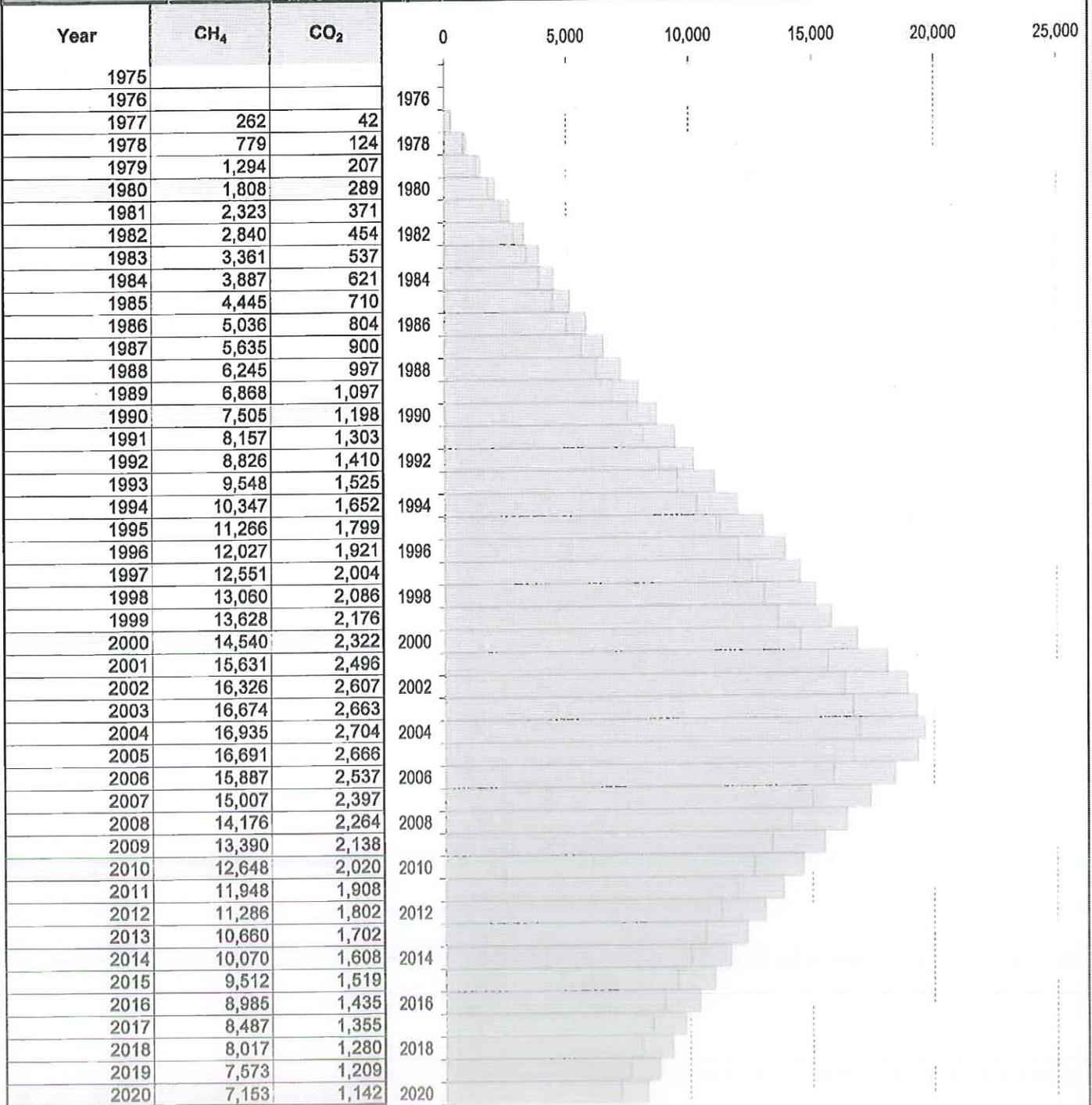
**Model Output: Lanfill Characteristics**

Landfill Name: Crescent City I  
 State: CA  
 City/County: Del Norte

Year Opened: 1977  
 If Closed, Year: 2005

k Value: 0.057  
 M Value: 6

**Model Output: Methane and Carbon Dioxide Emissions  
 (metric tonnes of CO<sub>2</sub> equivalent)**



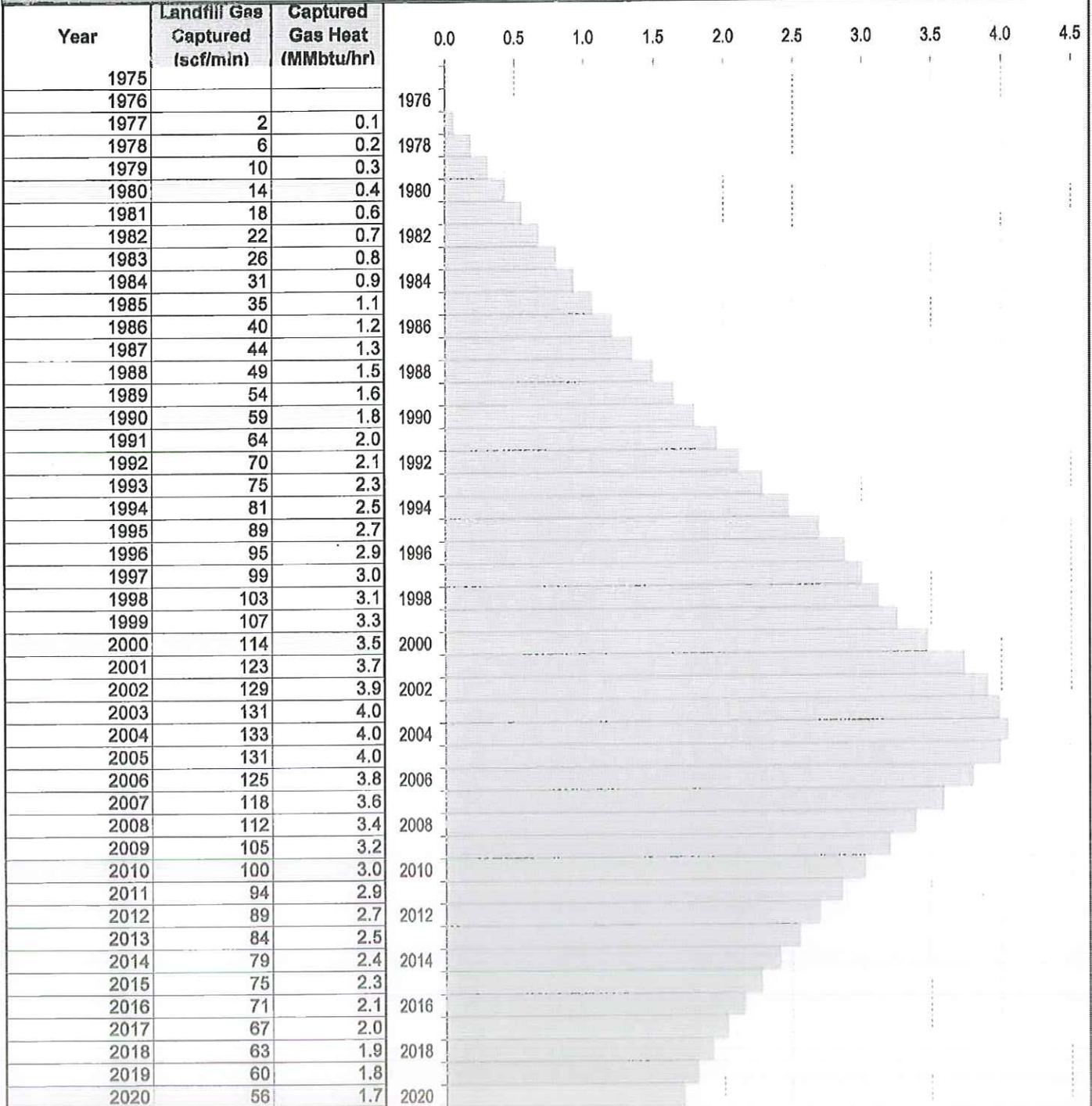
**Model Output: Lanfill Characteristics**

Landfill Name: Crescent City I  
 State: CA  
 City/County: Del Norte

Year Opened: 1977  
 If Closed, Year: 2005

k Value: 0.057  
 M Value: 6

**Model Output: Landfill Gas Captured and Captured Gas Heat**  
 (graph values in MMbtu/hr)



**ATTACHMENT 2**

**SPREADSHEET ANALYSIS**  
**USING**  
**SITE-SPECIFIC ANDOC% VALUES**

**Data Input: Lanfill Characteristics**

<b>Landfill Name:</b> Crescent City LF	<b>Year Opened:</b> 1977	<a href="#">Click for lists of k values</a>
<b>State/Country:</b> CA	<b>If Closed, Year:</b> 2005	<b>k Value:</b> 0.057
<b>City/County:</b> Del Norte		<b>M Value:</b>

**Data Input: Waste Deposit History**

Year	Waste		Daily Cover			
	Waste Deposited		Greenwaste & Compost		Sludge	
	Tons	% ANDOC	Tons	% ANDOC	Tons	% ANDOC
1976						
1977	7,900	7.14%		6.24%		2.50%
1978	8,295	7.14%		6.24%		2.50%
1979	8,710	7.14%		6.24%		2.50%
1980	9,145	7.14%		6.24%		2.50%
1981	9,602	7.14%		6.24%		2.50%
1982	10,083	7.14%		6.24%		2.50%
1983	10,587	7.14%		6.24%		2.50%
1984	11,116	7.14%		6.24%		2.50%
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1986	12,255	7.89%		6.24%		2.50%
1987	12,868	7.89%		6.24%		2.50%
1988	13,512	7.89%		6.24%		2.50%
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1999	25,719	6.93%		6.24%		2.50%
2000	36,604	6.93%		6.24%		2.50%
2001	34,397	6.93%		6.24%		2.50%
2002	24,141	6.93%		6.24%		2.50%
2003	25,748	6.93%		6.24%		2.50%
2004	24,402	6.93%		6.24%		2.50%
2005	5,183	6.93%		6.24%		2.50%
2006						
2007						
2008						
2009						
2010						
2011						
2012						
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2015						
2016						
2017						
2018						
2019						
2020						

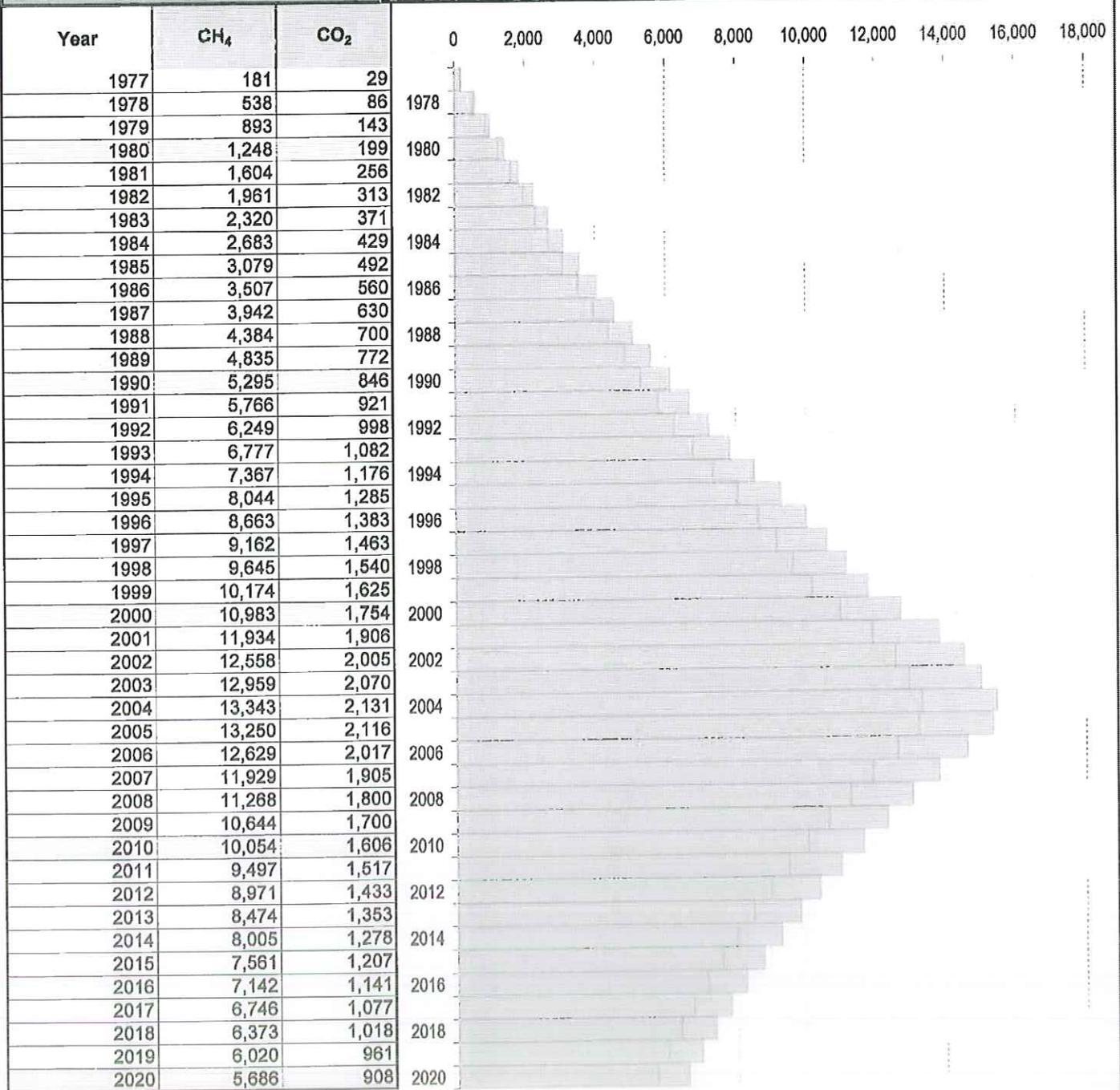
**Model Output: Landfill Characteristics**

Landfill Name: Crescent City I  
 State: CA  
 City/County: Del Norte

Year Opened: 1977  
 If Closed, Year: 2005

k Value: 0.057  
 M Value: 6

**Model Output: Methane and Carbon Dioxide Emissions  
 (metric tonnes of CO<sub>2</sub> equivalent)**



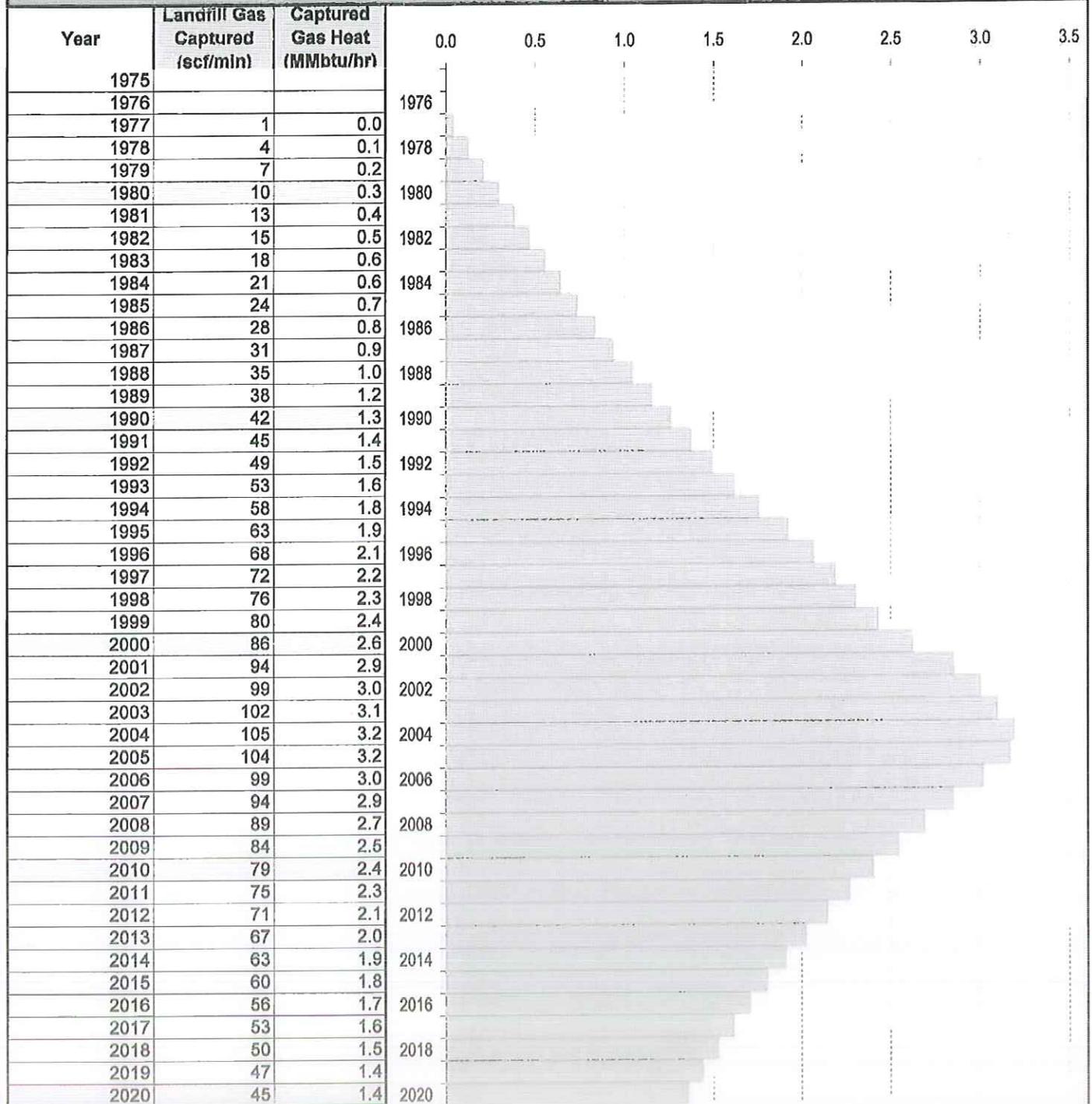
**Model Output: Lanfill Characteristics**

Landfill Name: Crescent City I  
 State: CA  
 City/County: Del Norte

Year Opened: 1977  
 If Closed, Year: 2005

k Value: 0.057  
 M Value: 6

**Model Output: Landfill Gas Captured and Captured Gas Heat  
 (graph values in MMbtu/hr)**



**Landfill Specific Value Calculator  
for the Percent of Anaerobically Degradable Carbon (ANDOC%)**

Landfill specific Waste Characterization Data 1977-1984

Waste Type	WIPFRAC	TDOC	DANF	%ANDOC
Newspaper	2.51%	47.09%	15.05%	0.18%
Office Paper	4.72%	38.54%	87.03%	1.58%
Corrugated Boxes	11.27%	44.84%	44.25%	2.24%
Coated Paper	1.86%	33.03%	24.31%	0.15%
Food	12.30%	14.83%	86.52%	1.58%
Grass	1.64%	13.30%	47.36%	0.10%
Leaves	1.64%	29.13%	7.30%	0.03%
Branches	2.57%	44.24%	23.14%	0.26%
Lumber	4.12%	43.00%	23.26%	0.41%
Textiles	2.60%	24.00%	50.00%	0.31%
Diapers	0.72%	24.00%	50.00%	0.09%
Construction/Demolition	2.86%	4.00%	50.00%	0.06%
Medical Waste	0.34%	15.00%	50.00%	0.03%
Sludge/Manure	4.79%	5.00%	50.00%	0.12%
<b>MSW Total</b>				<b>7.14%</b>

- 1) Enter your landfill specific waste characterization data (WIPFRAC).
  - 2) Copy the result of the calculation (MSW total) and overwrite the default %ANDOC value for the particular year on the *Landfill Model Inputs* page.
- Note:** Only the data for the Fraction of the Waste in Place (WIPFRAC) should be altered. If you wish to modify the TDOC or DANF values, please contact ARB staff.

**Landfill Specific Value Calculator  
for the Percent of Anaerobically Degradable Carbon (ANDOC%)**

Landfill specific Waste Characterization Data 1985 - 1992

Waste Type	WIPFRAC	TDOC	DANF	%ANDOC
Newspaper	2.04%	47.09%	15.05%	0.14%
Office Paper	5.15%	38.54%	87.03%	1.73%
Corrugated Boxes	10.29%	44.84%	44.25%	2.04%
Coated Paper	1.63%	33.03%	24.31%	0.13%
Food	15.67%	14.83%	86.52%	2.01%
Grass	1.46%	13.30%	47.36%	0.09%
Leaves	1.46%	29.13%	7.30%	0.03%
Branches	2.29%	44.24%	23.14%	0.23%
Lumber	5.66%	43.00%	23.26%	0.57%
Textiles	5.05%	24.00%	50.00%	0.61%
Diapers	0.82%	24.00%	50.00%	0.10%
Construction/Demolition	3.18%	4.00%	50.00%	0.06%
Medical Waste	0.34%	15.00%	50.00%	0.03%
Sludge/Manure	4.79%	5.00%	50.00%	0.12%
<b>MSW Total</b>				<b>7.89%</b>

- 1) Enter your landfill specific waste characterization data (WIPFRAC).
  - 2) Copy the result of the calculation (MSW total) and overwrite the default %ANDOC value for the particular year on the *Landfill Model Inputs* page.
- Note:** Only the data for the Fraction of the Waste in Place (WIPFRAC) should be altered. If you wish to modify the TDOC or DANF values, please contact ARB staff.

**Landfill Specific Value Calculator  
for the Percent of Anaerobically Degradable Carbon (ANDOC%)**

Landfill specific Waste Characterization Data 1993 - 1995

Waste Type	WIPFRAC	TDOC	DANF	%ANDOC
Newspaper	1.66%	47.09%	15.05%	0.12%
Office Paper	5.90%	38.54%	87.03%	1.98%
Corrugated Boxes	10.10%	44.84%	44.25%	2.00%
Coated Paper	1.40%	33.03%	24.31%	0.11%
Food	17.36%	14.83%	86.52%	2.23%
Grass	1.07%	13.30%	47.36%	0.07%
Leaves	1.07%	29.13%	7.30%	0.02%
Branches	1.67%	44.24%	23.14%	0.17%
Lumber	5.90%	43.00%	23.26%	0.59%
Textiles	6.89%	24.00%	50.00%	0.83%
Diapers	0.97%	24.00%	50.00%	0.12%
Construction/Demolition	3.67%	4.00%	50.00%	0.07%
Medical Waste	0.34%	15.00%	50.00%	0.03%
Sludge/Manure	4.79%	5.00%	50.00%	0.12%
<b>MSW Total</b>				<b>8.45%</b>

- 1) Enter your landfill specific waste characterization data (WIPFRAC).
  - 2) Copy the result of the calculation (MSW total) and overwrite the default %ANDOC value for the particular year on the *Landfill Model Inputs* page.
- Note:** Only the data for the Fraction of the Waste in Place (WIPFRAC) should be altered. If you wish to modify the TDOC or DANF values, please contact ARB staff.

**Landfill Specific Value Calculator  
for the Percent of Anaerobically Degradable Carbon (ANDOC%)**

**Landfill specific Waste Characterization Data 1996 - 2002**

Waste Type	WIPFRAC	TDOC	DANF	%ANDOC
Newspaper	1.82%	47.09%	15.05%	0.13%
Office Paper	1.73%	38.54%	87.03%	0.58%
Corrugated Boxes	4.50%	44.84%	44.25%	0.89%
Coated Paper	13.12%	33.03%	24.31%	1.05%
Food	20.36%	14.83%	86.52%	2.61%
Grass	0.86%	13.30%	47.36%	0.05%
Leaves	0.86%	29.13%	7.30%	0.02%
Branches	1.21%	44.24%	23.14%	0.12%
Lumber	3.97%	43.00%	23.26%	0.40%
Textiles	3.23%	24.00%	50.00%	0.39%
Diapers	3.54%	24.00%	50.00%	0.42%
Construction/Demolition	5.43%	4.00%	50.00%	0.11%
Medical Waste	0.35%	15.00%	50.00%	0.03%
Sludge/Manure	4.80%	5.00%	50.00%	0.12%
<b>MSW Total</b>				<b>6.93%</b>

- 1) Enter your landfill specific waste characterization data (WIPFRAC).
  - 2) Copy the result of the calculation (MSW total) and overwrite the default %ANDOC value for the particular year on the *Landfill Model Inputs* page.
- Note:** Only the data for the Fraction of the Waste in Place (WIPFRAC) should be altered. If you wish to modify the TDOC or DANF values, please contact ARB staff.

**Landfill Specific Value Calculator  
for the Percent of Anaerobically Degradable Carbon (ANDOC%)**

Landfill specific Waste Characterization Data 2003 - 2005

Waste Type	WIPFRAC	TDOC	DANF	%ANDOC
Newspaper	0.94%	47.09%	15.05%	0.07%
Office Paper	0.77%	38.54%	87.03%	0.26%
Corrugated Boxes	5.64%	44.84%	44.25%	1.12%
Coated Paper	8.60%	33.03%	24.31%	0.69%
Food	18.84%	14.83%	86.52%	2.42%
Grass	0.46%	13.30%	47.36%	0.03%
Leaves	0.46%	29.13%	7.30%	0.01%
Branches	1.32%	44.24%	23.14%	0.14%
Lumber	7.80%	43.00%	23.26%	0.78%
Textiles	6.80%	24.00%	50.00%	0.82%
Diapers	2.23%	24.00%	50.00%	0.27%
Construction/Demolition	9.85%	4.00%	50.00%	0.20%
Medical Waste	0.36%	15.00%	50.00%	0.03%
Sludge/Manure	4.80%	5.00%	50.00%	0.12%
<b>MSW Total</b>				<b>6.93%</b>

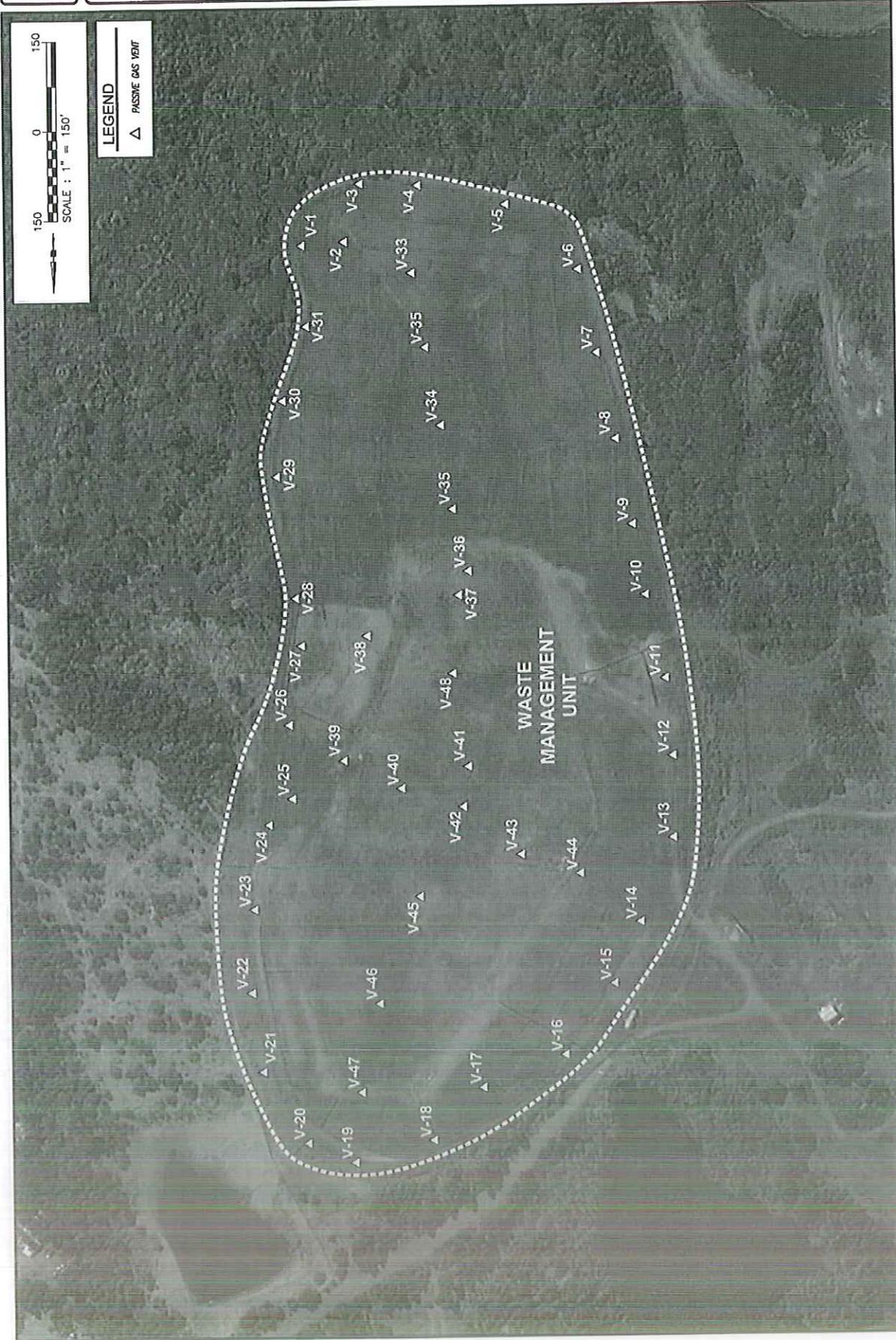
- 1) Enter your landfill specific waste characterization data (WIPFRAC).
  - 2) Copy the result of the calculation (MSW total) and overwrite the default %ANDOC value for the particular year on the *Landfill Model Inputs* page.
- Note:** Only the data for the Fraction of the Waste in Place (WIPFRAC) should be altered. If you wish to modify the TDOC or DANF values, please contact ARB staff.

**ATTACHMENT 3**

**FIGURE 1  
PASSIVE GAS VENT LOCATIONS**

**PASSIVE GAS VENT LOCATIONS**  
CRESCENT CITY LANDFILL  
DEL NORTE COUNTY, CALIFORNIA

FIGURE  
1  
13-1802



**ATTACHMENT 4**

**FIELD ANALYSIS**  
**RESULTS AND CALCULATIONS**

# ASSEMBLY BILL 32 PASSIVE VENTING SYSTEM MONITORING

Location: Crescent City Landfill, Del Norte County, California

Date of Work: June 2013

Flow/Temperature Instrumentation: Hand-Held Anemometer (La Crosse Technology, Model No. EA-3030UD)

Methane Instrumentation: Flame Ionization Detector (Thermo Electron Corporation, Model No. TVA-1000)

Calibration Gas: Methane (100 and 10,000 ppm)

Flow Conversion:

$$Q_{ACFM} = \frac{P_{ACTUAL}}{T_{ACTUAL}} \times \frac{520}{T_{ACTUAL}} \times Q_{ACFM} \times M_{CORR}$$

Landfill Gas Heat Input Capacity (HIC) Calculation:

$$HIC = Q_{CH4} \times CH4_{CONC} \times GHV \text{ of CH4}$$

$$GHV \text{ of CH4} = 1,012 \text{ btu/SCF}$$

Vent ID	T <sub>ACTUAL</sub>		P <sub>ACTUAL</sub> (psia)	P <sub>INLETT</sub> (psia)	M <sub>CORR</sub>	Cross Sectional Area		Gas Velocity		Gas Flow		CH4 <sub>CONC</sub>		HIC (Mbtu/hr)
	(°F)	(° Rankine)				(m <sup>2</sup> )	(ft <sup>2</sup> )	(m/sec)	(ft/sec)	(ACFM)	(SCFM)	(ppm)	(%Vol)	
V-1	75.1	535.1	14.7	0.4300	1.03	0.0010	0.0108	1.0	3.3	2.12	2.00	15.51	1.551E-03	1.882E-04
V-2	75.8	535.8	14.7	0.4446	1.03	0.0010	0.0108	1.5	4.9	3.18	2.99	15.13	1.513E-03	2.748E-04
V-3	77.9	537.9	14.7	0.4750	1.03	0.0010	0.0108	1.1	3.6	2.33	2.18	13.71	1.371E-03	1.815E-04
V-4	78.5	538.5	14.7	0.4909	1.03	0.0010	0.0108	0.2	0.7	0.42	0.40	13.05	1.305E-03	3.134E-05
V-5	79.2	539.2	14.7	0.4909	1.03	0.0010	0.0108	0.05	0.2	0.11	0.10	14.48	1.448E-03	8.683E-06
V-6	80.1	540.1	14.7	0.5073	1.04	0.0010	0.0108	0.05	0.2	0.11	0.10	14.09	1.409E-03	8.425E-06
V-7	79.7	539.7	14.7	0.5073	1.04	0.0010	0.0108	0.05	0.2	0.11	0.10	14.52	1.452E-03	8.689E-06
V-8	82.8	542.8	14.7	0.5593	1.04	0.0010	0.0108	0.8	2.6	1.70	1.56	14.03	1.403E-03	1.331E-04
V-9	82.1	542.1	14.7	0.5414	1.04	0.0010	0.0108	0.8	2.6	1.70	1.57	14.05	1.405E-03	1.336E-04
V-10	80.8	540.8	14.7	0.5241	1.04	0.0010	0.0108	1.1	3.6	2.33	2.16	15.60	1.560E-03	2.047E-04
V-11	78.3	538.3	14.7	0.4750	1.03	0.0010	0.0108	0.05	0.2	0.11	0.10	15.15	1.515E-03	9.110E-06
V-12	77.4	537.4	14.7	0.4596	1.03	0.0010	0.0108	0.05	0.2	0.11	0.10	15.20	1.520E-03	9.166E-06
V-13	80.1	540.1	14.7	0.5073	1.04	0.0010	0.0108	1.0	3.3	2.12	1.97	14.48	1.448E-03	1.732E-04
V-14	69.3	529.3	14.7	0.3510	1.02	0.0010	0.0108	1.4	4.6	2.97	2.84	7.85	7.850E-04	1.356E-04
V-15	69.2	529.2	14.7	0.3510	1.02	0.0010	0.0108	0.8	2.6	1.70	1.63	8.42	8.420E-04	8.312E-05

(Continued)

**ASSEMBLY BILL 32**  
**PASSIVE VENTING SYSTEM MONITORING**  
*(Continued)*

Vent ID	T <sub>ACTUAL</sub>		P <sub>ACTUAL</sub> (psia)	P <sub>INLET</sub> (psia)	M <sub>CONR</sub>	Cross Sectional Area		Gas Velocity		Gas Flow		CH <sub>4</sub> CONC		HIIC (MMBtu/hr)
	(° F)	(° Rankine)				(m <sup>2</sup> )	(ft <sup>2</sup> )	(m/sec)	(ft/sec)	(ACFM)	(SCFM)	(ppm)	(% Vol)	
V-16	69.8	529.8	14.7	0.3632	1.03	0.0010	0.0108	0.1	0.3	0.21	0.20	8.97	8.970E-04	1.105E-05
V-17	66.4	526.4	14.7	0.3165	1.02	0.0010	0.0108	0.05	0.2	0.11	0.10	7.62	7.620E-04	4.738E-06
V-18	67.2	527.2	14.7	0.3165	1.02	0.0010	0.0108	0.8	2.6	1.70	1.64	8.46	8.460E-04	8.404E-05
V-19	68.9	528.9	14.7	0.3510	1.02	0.0010	0.0108	1.5	4.9	3.18	3.05	9.30	9.300E-04	1.722E-04
V-20	70.9	530.9	14.7	0.3758	1.03	0.0010	0.0108	1.2	3.9	2.54	2.43	10.54	1.054E-03	1.553E-04
V-21	71.8	531.8	14.7	0.3887	1.03	0.0010	0.0108	0.05	0.2	0.11	0.10	9.53	9.530E-04	5.836E-06
V-22	71.1	531.1	14.7	0.3758	1.03	0.0010	0.0108	0.05	0.2	0.11	0.10	10.46	1.046E-03	6.420E-06
V-23	70.2	530.2	14.7	0.3632	1.03	0.0010	0.0108	0.05	0.2	0.11	0.10	11.33	1.133E-03	6.972E-06
V-24	70.8	530.8	14.7	0.3758	1.03	0.0168	0.1808	0.05	0.2	1.78	1.70	11.26	1.126E-03	1.162E-04
V-25	71.3	531.3	14.7	0.3758	1.03	0.0010	0.0108	0.05	0.2	0.11	0.10	11.72	1.172E-03	7.190E-06
V-26	75.2	535.2	14.7	0.4300	1.03	0.0010	0.0108	0.5	1.6	1.06	1.00	11.42	1.142E-03	6.929E-05
V-27	74.5	534.5	14.7	0.4300	1.03	0.0010	0.0108	0.05	0.2	0.11	0.10	11.45	1.145E-03	6.956E-06
V-28	75.4	535.4	14.7	0.4300	1.03	0.0010	0.0108	1.5	4.9	3.18	3.00	11.84	1.184E-03	2.154E-04
V-29	77.4	537.4	14.7	0.4596	1.03	0.0010	0.0108	0.05	0.2	0.11	0.10	11.87	1.187E-03	7.158E-06
V-30	78.3	538.3	14.7	0.4750	1.03	0.0010	0.0108	0.05	0.2	0.11	0.10	11.89	1.189E-03	7.150E-06
V-31	76.7	536.7	14.7	0.4596	1.03	0.0010	0.0108	1.4	4.6	2.97	2.78	12.75	1.275E-03	2.156E-04
V-32	78.5	538.5	14.7	0.4909	1.03	0.0010	0.0108	0.2	0.7	0.42	0.40	17.97	1.797E-03	4.316E-05
V-33	76.7	536.7	14.7	0.4596	1.03	0.0010	0.0108	1.3	4.3	2.75	2.59	14.52	1.452E-03	2.279E-04
V-34	79.4	539.4	14.7	0.4909	1.03	0.0010	0.0108	0.5	1.6	1.06	0.99	13.89	1.389E-03	8.326E-05
V-35	79.7	539.7	14.7	0.5073	1.04	0.0010	0.0108	0.1	0.3	0.21	0.20	12.71	1.271E-03	1.521E-05
V-36	78.3	538.3	14.7	0.4750	1.03	0.0010	0.0108	0.05	0.2	0.11	0.10	12.56	1.256E-03	7.533E-06
V-37	78.5	538.5	14.7	0.4909	1.03	0.0010	0.0108	0.1	0.3	0.21	0.20	13.56	1.356E-03	1.628E-05
V-38	73.8	533.8	14.7	0.4158	1.03	0.0010	0.0108	0.05	0.2	0.11	0.10	11.11	1.111E-03	6.765E-06
V-39	74.2	534.2	14.7	0.4158	1.03	0.0010	0.0108	0.2	0.7	0.42	0.40	10.95	1.095E-03	2.663E-05
V-40	77.2	537.2	14.7	0.4596	1.03	0.0010	0.0108	0.35	1.1	0.74	0.70	12.54	1.254E-03	5.295E-05
V-41	77.7	537.7	14.7	0.4750	1.03	0.0010	0.0108	0.5	1.6	1.06	0.99	14.34	1.434E-03	8.633E-05

(Continued)

# ASSEMBLY BILL 32 PASSIVE VENTING SYSTEM MONITORING (Continued)

Vent ID	T <sub>ACTUAL</sub>		P <sub>ACTUAL</sub> (psia)	P <sub>MOIST</sub> (psia)	M <sub>CORR</sub>	Cross Sectional Area		Gas Velocity		Gas Flow		CH <sub>4</sub> CONC		HIC (MMbtu/hr)
	(°F)	(° Rankine)				(m <sup>2</sup> )	(ft <sup>2</sup> )	(m/sec)	(ft/sec)	(ACFM)	(SCFM)	(ppm)	(%Vol)	
V-42	74.9	534.9	14.7	0.4300	1.03	0.0010	0.0108	1.9	6.2	4.03	3.80	12.26	1.226E-03	2.828E-04
V-43	77.2	537.2	14.7	0.4596	1.03	0.0010	0.0108	1.2	3.9	2.54	2.38	286	2.860E-02	4.141E-03
V-44	77.4	537.4	14.7	0.4596	1.03	0.0010	0.0108	2.2	7.2	4.66	4.37	102	1.020E-02	2.706E-03
V-45	75.6	535.6	14.7	0.4446	1.03	0.0010	0.0108	1.5	4.9	3.18	2.99	3,658	3.658E-01	6.647E-02
V-46	77.3	537.3	14.7	0.4596	1.03	0.0010	0.0108	1.6	5.2	3.39	3.18	11.38	1.138E-03	2.196E-04
V-47	76.3	536.3	14.7	0.4446	1.03	0.0010	0.0108	0.2	0.7	0.42	0.40	8,253	8.253E-01	1.997E-02
V-48	79.7	539.7	14.7	0.5073	1.04	0.0010	0.0108	0.5	1.6	1.06	0.99	14.78	1.478E-03	8.845E-05

### CUMULATIVE LANDFILL GAS HEAT INPUT CAPACITY

9,711E-02

T<sub>ACTUAL</sub>: Landfill Gas Temperature (actual)  
P<sub>ACTUAL</sub>: Landfill Gas Pressure (actual)  
P<sub>MOIST</sub>: Vapor Pressure of Moisture Fraction (Partial Pressure)  
M<sub>CORR</sub>: Moisture Correction  
Q<sub>ACTUAL</sub>: Volumetric Flow in Standard Cubic Feet per Minute  
Q<sub>ACTUAL</sub>: Volumetric Flow in Actual Cubic Feet per Minute  
CH<sub>4</sub>CONC: Methane Concentration  
GHV: LFG Heat Input Capacity  
btu/SCF: Gross Heating Value  
British Thermal Units per Standard Cubic Feet

Note:  
(1): Values in "red" represent measurements recorded/confirmed in the field.  
(2): P<sub>ACTUAL</sub> was assumed to equal 14.7 psia based on site elevation near sea level and minimal flows exhibited by vents.  
(3): P<sub>MOIST</sub> assumes that landfill gas is 100 percent saturated. Therefore, the corresponding vapor pressure was estimated based on the landfill gas temperature.  
(4): M<sub>CORR</sub> was calculated using the following equation: P<sub>ACTUAL</sub> / (P<sub>ACTUAL</sub> - P<sub>MOIST</sub>)  
(5): In cases where flow was not detected, an assumed flow of 0.05 m/sec was assigned, which is equal to one-half the minimum detection range of the hand-held anemometer.  
(6): Damage to vent V-40 prohibited actual gas velocity measurement. Thus, a velocity of 0.35 m/sec was assumed based on the average velocity measured in nearby vents V-39 and V-41.

°F: Degrees Fahrenheit  
psia: Pound per Square Inch (actual)  
m<sup>2</sup>: Square Meters  
ft<sup>2</sup>: Square Feet  
m/sec: Meters per Second  
ft/sec: Feet per Second  
ppm: Parts per Million  
%Vol: Percent by Volume  
MMbtu/hr: Million British Thermal Units per Hour



EDMUND G. BROWN JR.  
GOVERNOR

MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

## North Coast Regional Water Quality Control Board

July 12, 2013

Tedd Ward  
Program Manager  
Del Norte Solid Waste Management Authority  
1700 State Street  
Crescent City, CA 95531  
[tedd@recycleelnorte.ca.gov](mailto:tedd@recycleelnorte.ca.gov)

Dear Mr. Ward:

Subject: Groundwater Investigation Work Plan, Crescent City Landfill, Crescent City, California

File: Del Norte, County of, Crescent City Solid Waste Disposal Site (SWDS)

On May 30, 2013, we received a copy of the May 2013 Groundwater Investigation Work Plan and associated Health and Safety Plan for installation of two groundwater monitoring wells/piezometers at the Crescent City Landfill (Work Plan) via email. Based on comments I provided, you submitted a revised June 14, 2013 Work Plan, which we received on June 17, 2013. Regional Water Board staff concur with the revised June 14, 2013 Work Plan; you may now implement it.

As we agreed in our July 2, 2012 meeting, we temporarily lowered the landfill's threat and complexity to 2A for fiscal year 2012/13 to allow Del Norte Solid Waste Management Authority (DNSWA) to allocate resulting savings toward development and implementation of a groundwater investigation. We will return the threat and complexity to 1A for the 2013/14 fiscal year, with an option to reduce it back to 2A later in the fiscal year, pending DNSWA's demonstration showing that 1) the most vulnerable beneficial use near the landfill (the domestic supply system) is not currently being impacted, and 2) site monitoring allows any future impact to the domestic water supply system to be detected as soon as possible. If you are able to successfully demonstrate this, we will reduce the threat and complexity back to 2A. Note that we may make further revisions to the threat and complexity for the site in the future, if site conditions change or the State Water Resources Control Board makes changes to the rating system.

Please inform me at least 48 hours prior to the start of field activities and email daily logs during work to [gina.morrison@waterboards.ca.gov](mailto:gina.morrison@waterboards.ca.gov). If you have any questions or require additional information regarding this matter, please contact me at (707) 576-2501.

Sincerely,



Gina M. Morrison  
Water Resource Control Engineer

130712\_GMM\_ef\_CCSWDS\_GW\_investigation\_WP\_appr

cc: Kevin Hendrick, Director, Del Norte Solid Waste Management Authority  
1700 State Street, Crescent City, CA 95531  
Brian McNally, LEA, Del Norte County Development Department, 981 H Street, Suite  
110, Crescent City, CA 95531 [bmcnally@co.del-norte.ca.us](mailto:bmcnally@co.del-norte.ca.us)  
Gino Yekta, Closure and Facility Engineering Unit, Cal Recycle, P.O. Box 4025,  
Sacramento, CA 95812 [gino.yekta@calrecycle.ca.gov](mailto:gino.yekta@calrecycle.ca.gov)  
Michael Wochnick, Closure and Facility Engineering Unit, Cal Recycle,  
P.O. Box 4025, Sacramento, CA 95812 [michael.wochnick@calrecycle.ca.gov](mailto:michael.wochnick@calrecycle.ca.gov)

State of California  
STATE WATER RESOURCES CONTROL BOARD

2012 2013

**ANNUAL REPORT**  
FOR  
STORM WATER DISCHARGES ASSOCIATED  
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2012 through June 30, 2013

**An annual report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year.** This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. **Retain a copy of the completed Annual Report for your records.**

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers and e-mail addresses of the Regional Board contacts, as well as the Regional Board office addresses can be found at <http://www.swrcb.ca.gov/stormwtr/contact.html>. To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the first line of each Regional Board office.

**GENERAL INFORMATION:**

**A. Facility Information:**

Facility Business Name: Crescent City Landfill  
Physical Address: End Of Hights Access Road  
City: Crescent City  
SIC Code(s): 4953-Refuse Systems

Facility WDID No: 1 08I001442  
Contact Person: Tedd Ward  
e-mail: tedd@recycledelnorte.ca.gov  
CA Zip: 95531 Phone: 707-954-3351

**B. Facility Operator Information:**

Operator Name: Del Norte Solid Waste Management Authority  
Mailing Address: 1700 State St  
City: Crescent City

Contact Person: Tedd Ward  
e-mail: tedd@recycledelnorte.ca.gov  
State: CA Zip: 95531 Phone: 707-465-1100

**C. Facility Billing Information:**

Operator Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_

Contact Person: \_\_\_\_\_  
e-mail: \_\_\_\_\_  
State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_



4. For each storm event sampled, did you collect and analyze a sample from each of the facility's storm water discharge locations?  YES, go to Item E.6  NO
5. Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit?  NO  YES, attach explanation
- If "YES", attach documentation supporting your determination that two or more drainage areas are substantially identical.
- Date facility's drainage areas were last evaluated \_\_\_\_\_
6. Were all samples collected during the first hour of discharge?  YES  NO, attach explanation
7. Was all storm water sampling preceded by three (3) working days without a storm water discharge?  YES  NO, attach explanation
8. Were there any discharges of stormwater that had been temporarily stored or contained? (such as from a pond)  YES  NO, go to Item E.10
9. Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above)  YES  NO, attach explanation
10. Section B.5. of the General Permit requires you to analyze storm water samples for pH, Total Suspended Solids (TSS), Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and Grease (O&G), other pollutants likely to be present in storm water discharges in significant quantities, and analytical parameters listed in Table D of the General Permit.
- a. Does Table D contain any additional parameters related to your facility's SIC code(s)?  YES  NO, Go to Item E.11
- b. Did you analyze all storm water samples for the applicable parameters listed in Table D?  YES  NO
- c. If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:
- \_\_\_\_\_ In prior sampling years, the parameter(s) have not been detected in significant quantities from two consecutive sampling events. **Attach explanation**
- The parameter(s) is not likely to be present in storm water discharges and authorized non-storm water discharges in significant quantities based upon the facility operator's evaluation. **Attach explanation**
- \_\_\_\_\_ Other. **Attach explanation**
11. For each storm event sampled, attach a copy of the laboratory analytical reports and report the sampling and analysis results using **Form 1** or its equivalent. The following must be provided for each sample collected:
- Date and time of sample collection
  - Name and title of sampler.
  - Parameters tested.
  - Name of analytical testing laboratory.
  - Discharge location identification.
  - Testing results.
  - Test methods used.
  - Test detection limits.
  - Date of testing.
  - Copies of the laboratory analytical results.

F. QUARTERLY VISUAL OBSERVATIONS

1. **Authorized Non-Storm Water Discharges**

Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources.

a. Do authorized non-storm water discharges occur at your facility?

YES  NO Go to Item F.2

b. Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. **Attach an explanation for any "NO" answers.** Indicate "N/A" for quarters without any authorized non-storm water discharges.

July -September  YES  NO  N/A      October-December  YES  NO  N/A  
January-March  YES  NO  N/A      April-June  YES  NO  N/A

c. Use **Form 2** to report quarterly visual observations of authorized non-storm water discharges or provide the following information.

- i. name of each authorized non-storm water discharge
- ii. date and time of observation
- iii. source and location of each authorized non-storm water discharge
- iv. characteristics of the discharge at its source and impacted drainage area/discharge location
- v. name, title, and signature of observer
- vi. **any** new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.

2. **Unauthorized Non-Storm Water Discharges**

Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources.

a. Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. **Attach an explanation for any "NO" answers.**

July -September  YES  NO  N/A      October-December  YES  NO  N/A  
January-March  YES  NO  N/A      April-June  YES  NO  N/A

b. Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?

YES  NO Go to item F.2.d

c. Have each of the unauthorized non-storm water discharges been eliminated or permitted?

YES  NO **Attach explanation**

d. Use **Form 3** to report quarterly unauthorized non-storm water discharge visual observations or provide the following information.

- i. name of each unauthorized non-storm water discharge.
- ii. date and time of observation.
- iii. source and location of each unauthorized non-storm water discharge.
- iv. characteristics of the discharge at its source and impacted drainage area/discharge location.
- v. name, title, and signature of observer.
- vi. **any** corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. **Attach an explanation for any "NO" answers.** Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

	YES	NO		YES	NO
October	<input checked="" type="checkbox"/>	<input type="checkbox"/>	February	<input checked="" type="checkbox"/>	<input type="checkbox"/>
November	<input checked="" type="checkbox"/>	<input type="checkbox"/>	March	<input checked="" type="checkbox"/>	<input type="checkbox"/>
December	<input checked="" type="checkbox"/>	<input type="checkbox"/>	April	<input checked="" type="checkbox"/>	<input type="checkbox"/>
January	<input checked="" type="checkbox"/>	<input type="checkbox"/>	May	<input checked="" type="checkbox"/>	<input type="checkbox"/>

2. Report monthly wet season visual observations using **Form 4** or provide the following information.
  - a. date, time, and location of observation
  - b. name and title of observer
  - c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed.
  - d. **any** new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

**ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)**

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall be revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the minimum steps necessary to complete a ACSCE. Indicate whether you have performed each step below. **Attach an explanation for any "NO" answers.**

1. Have you inspected all potential pollutant sources and industrial activities areas?  YES  NO  
The following areas should be inspected:

- areas where spills and leaks have occurred during the last year.
- outdoor wash and rinse areas.
- process/manufacturing areas.
- loading, unloading, and transfer areas.
- waste storage/disposal areas.
- dust/particulate generating areas.
- erosion areas.
- building repair, remodeling, and construction
- material storage areas
- vehicle/equipment storage areas
- truck parking and access areas
- rooftop equipment areas
- vehicle fueling/maintenance areas
- non-storm water discharge generating areas

2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas?  YES  NO

3. Have you inspected the entire facility to verify that the SWPPP's site map, is up-to-date? The following site map items should be verified:  YES  NO

- facility boundaries
- outline of all storm water drainage areas
- areas impacted by run-on
- storm water discharges locations
- storm water collection and conveyance system
- structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

4. Have you reviewed all General Permit compliance records generated since the last annual evaluation?  YES  NO

The following records should be reviewed:

- quarterly authorized non-storm water discharge visual observations
- monthly storm water discharge visual observation
- records of spills/leaks and associated clean-up/response activities
- quarterly unauthorized non-storm water discharge visual observations
- Sampling and Analysis records
- preventative maintenance inspection and maintenance records

5. Have you reviewed the major elements of the SWPPP to assure compliance with the General Permit?  YES  NO

The following SWPPP items should be reviewed:

- pollution prevention team
- list of significant materials
- description of potential pollutant sources
- assessment of potential pollutant sources
- identification and description of the BMPs to be implemented for each potential pollutant source

6. Have you reviewed your SWPPP to assure that a) the BMPs are adequate in reducing or preventing pollutants in storm water discharges and authorized non-storm water discharges, and b) the BMPs are being implemented?  YES  NO

The following BMP categories should be reviewed:

- good housekeeping practices
- spill response
- employee training
- erosion control
- quality assurance
- preventative maintenance
- material handling and storage practices
- waste handling/storage
- structural BMPs

7. Has all material handling equipment and equipment needed to implement the SWPPP been inspected?  YES  NO

I. ACSCE EVALUATION REPORT

The facility operator is required to provide an evaluation report that includes:

- identification of personnel performing the evaluation
- the date(s) of the evaluation
- necessary SWPPP revisions
- schedule for implementing SWPPP revisions
- any incidents of non-compliance and the corrective actions taken.

Use **Form 5** to report the results of your evaluation or develop an equivalent form.

J. ACSCE CERTIFICATION

The facility operator is required to certify compliance with the Industrial Activities Storm Water General Permit. To certify compliance, both the SWPPP and Monitoring Program must be up to date and be fully implemented.

Based upon your ACSCE, do you certify compliance with the Industrial Activities Storm Water General Permit?  YES  NO

If you answered "NO" **attach an explanation** to the ACSCE Evaluation Report why you are not in compliance with the Industrial Activities Storm Water General Permit.

**ANNUAL REPORT CERTIFICATION**

I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, 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.

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_

## ANNUAL REPORT

### *DESCRIPTION OF BASIC ANALYTICAL PARAMETERS*

The Industrial Activities Storm Water General Permit (General Permit) requires you to analyze storm water samples for at least four parameters. These are pH, Total Suspended Solids (TSS), Specific Conductance (SC), and Total Organic Carbon (TOC). Oil and Grease (O&G) may be substituted for TOC. In addition, you must monitor for any other pollutants which you believe to be present in your storm water discharge as a result of industrial activity and analytical parameters listed in Table D of the General Permit. There are no numeric limitations for the parameters you test for.

The four parameters which the General Permit requires to be tested are considered *indicator* parameters. In other words, regardless of what type of facility you operate, these parameters are nonspecific and general enough to usually provide some indication whether pollutants are present in your storm water discharge. The following briefly explains what each of these parameters mean:

**pH** is a numeric measure of the hydrogen-ion concentration. The neutral, or acceptable, range is within 6.5 to 8.5. At values less than 6.5, the water is considered acidic; above 8.5 it is considered alkaline or basic. An example of an acidic substance is vinegar, and a alkaline or basic substance is liquid antacid. Pure rainfall tends to have a pH of a little less than 7. There may be sources of materials or industrial activities which could increase or decrease the pH of your storm water discharge. If the pH levels of your storm water discharge are high or low, you should conduct a thorough evaluation of all potential pollutant sources at your site.

**Total Suspended Solids (TSS)** is a measure of the undissolved solids that are present in your storm water discharge. Sources of TSS include sediment from erosion of exposed land, and dirt from impervious (i.e. paved) areas. Sediment by itself can be very toxic to aquatic life because it covers feeding and breeding grounds, and can smother organisms living on the bottom of a water body. Toxic chemicals and other pollutants also adhere to sediment particles. This provides a medium by which toxic or other pollutants end up in our water ways and ultimately in human and aquatic life. TSS levels vary in runoff from undisturbed land. It has been shown that TSS levels increase significantly due to land development.

**Specific Conductance (SC)** is a numerical expression of the ability of the water to carry an electric current. SC can be used to assess the degree of mineralization, salinity, or estimate the total dissolved solids concentration of a water sample. Because of air pollution, most rain water has a SC a little above zero. A high SC could affect the usability of waters for drinking, irrigation, and other commercial or industrial use.

**Total Organic Carbon (TOC)** is a measure of the total organic matter present in water. (All organic matter contains carbon) This test is sensitive and able to detect small concentrations of organic matter. Organic matter is naturally occurring in animals, plants, and man. Organic matter may also be man made (so called synthetic organics). Synthetic organics include pesticides, fuels, solvents, and paints. Natural organic matter utilizes the oxygen in a receiving water to biodegrade. Too much organic matter could place a significant oxygen demand on the water, and possibly impact its quality. Synthetic organics either do not biodegrade or biodegrade very slowly. Synthetic organics are a source of toxic chemicals that can have adverse affects at very low concentrations. Some of these chemicals bioaccumulate in aquatic life. If your levels of TOC are high, you should evaluate all sources of natural or synthetic organics you may use at your site.

**Oil and Grease (O&G)** is a measure of the amount of oil and grease present in your storm water discharge. At very low concentrations, O&G can cause a sheen (that floating "rainbow") on the surface of water (1 qt. of oil can pollute 250,000 gallons of water). O&G can adversely affect aquatic life and create unsightly floating material and film on water, thus making it undrinkable. Sources of O&G include maintenance shops, vehicles, machines and roadways.

If you have any questions regarding whether or not your constituent concentrations are too high, please contact your local Regional Board office. The United States Environmental Protection Agency (USEPA) has published stormwater discharge benchmarks for a number of parameters. These benchmarks may be helpful when evaluating whether additional BMPs are appropriate. These benchmarks can be accessed at our website at <http://www.swrcb.ca.gov>. It is contained in the Sampling and Analysis Reduction Certification.

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See Storm Water Contacts at

[http://www.waterboards.ca.gov/water\\_issues/programs/stormwater/contact.shtml](http://www.waterboards.ca.gov/water_issues/programs/stormwater/contact.shtml)

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## ANNUAL REPORT

## FORM 1 - SAMPLING &amp; ANALYSIS RESULTS

Monitoring Location	Sample Date / Time	Discharge Time	Sample Collector Name, Title	Parameter	Result	Units	Analytical Method	Method Detection Limit	Analyzed By
SW-3	11/08/2012 14:30	12:00	Tedd Ward, Program Manager	Nitrate, Total (as N)	=0.73	mg/L		0.1	LAB
SW-3	11/08/2012 14:30	12:00	Tedd Ward, Program Manager	Total Organic Carbon (TOC)	=0	mg/L	A5310B		LAB
SW-3	11/08/2012 14:30	12:00	Tedd Ward, Program Manager	Chemical Oxygen Demand (COD)	=42	mg/L	A5220D	5	LAB
SW-3	11/08/2012 14:30	12:00	Tedd Ward, Program Manager	Electrical Conductivity @ 25 Deg. C	=475	umhos/cm	A2510B	1	SELF
SW-3	11/08/2012 14:30	12:00	Tedd Ward, Program Manager	Oil and Grease	=0	mg/L	E1664A		LAB
SW-3	11/08/2012 14:30	12:00	Tedd Ward, Program Manager	pH	=7.3	SU	A4500H	1	LAB
SW-3	11/08/2012 14:30	12:00	Tedd Ward, Program Manager	Total Suspended Solids (TSS)	=50	mg/L	A2540D	1	LAB
SW-8	11/08/2012 15:00	12:00	Tedd Ward, Program Manager	Nitrate, Total (as N)	=1.5	mg/L		0.1	LAB
SW-8	11/08/2012 15:00	12:00	Tedd Ward, Program Manager	Chemical Oxygen Demand (COD)	=40	mg/L	A5220D	5	LAB
SW-8	11/08/2012 15:00	12:00	Tedd Ward, Program Manager	Electrical Conductivity @ 25 Deg. C	=475	umhos/cm	A2510B	1	LAB
SW-8	11/08/2012 15:00	12:00	Tedd Ward, Program Manager	Oil and Grease	=0	mg/L	E1664A	5	LAB
SW-8	11/08/2012 15:00	12:00	Tedd Ward, Program Manager	pH	=7.8	SU	A4500H	1	LAB
SW-8	11/08/2012 15:00	12:00	Tedd Ward, Program Manager	Total Suspended Solids (TSS)	=2.8	mg/L	A2540D	1	LAB
SW-20	11/08/2012 15:30	12:00	Tedd Ward, Program Manager	Nitrate, Total (as N)	=0.4	mg/L		0.1	LAB
SW-20	11/08/2012 15:30	12:00	Tedd Ward, Program Manager	Chemical Oxygen Demand (COD)	=41	mg/L	A5220D	5	LAB
SW-20	11/08/2012 15:30	12:00	Tedd Ward, Program Manager	Electrical Conductivity @ 25 Deg. C	=177	umhos/cm	A2510B	1	LAB
SW-20	11/08/2012 15:30	12:00	Tedd Ward, Program Manager	Oil and Grease	=0	mg/L	E1664A		LAB
SW-20	11/08/2012 15:30	12:00	Tedd Ward, Program Manager	pH	=7.7	SU	A4500H	1	LAB
SW-20	11/08/2012 15:30	12:00	Tedd Ward, Program Manager	Total Suspended Solids (TSS)	=4.4	mg/L	A2540D	1	LAB
SW-20	01/09/2013 11:00	10:00	Tedd Ward, Program Manager	Nitrate, Total (as N)	<0.1	mg/L		0.1	LAB
SW-20	01/09/2013 11:00	10:00	Tedd Ward, Program Manager	Chemical Oxygen Demand (COD)	=12	mg/L	A5220D	5	LAB
SW-20	01/09/2013 11:00	10:00	Tedd Ward, Program Manager	Electrical Conductivity @ 25 Deg. C	=142.3	umhos/cm	A2510B	1	LAB

SW-20	01/09/2013 11:00	10:00	Tedd Ward, Program Manager	Oil and Grease	<5	mg/L	E1664A	5	LAB
SW-20	01/09/2013 11:00	10:00	Tedd Ward, Program Manager	pH	=7.4	SU	A4500H	1	LAB
SW-20	01/09/2013 11:00	10:00	Tedd Ward, Program Manager	Total Suspended Solids (TSS)	=0	mg/L	A2540D		LAB
SW-8	01/09/2013 11:40	10:00	Tedd Ward, Program Manager	Nitrate, Total (as N)	=0.25	mg/L		0.1	LAB
SW-8	01/09/2013 11:40	10:00	Tedd Ward, Program Manager	Total Organic Carbon (TOC)	=6.9	mg/L	A5310B	0.3	LAB
SW-8	01/09/2013 11:40	10:00	Tedd Ward, Program Manager	Chemical Oxygen Demand (COD)	=6.9	mg/L	A5220D	5	LAB
SW-8	01/09/2013 11:40	10:00	Tedd Ward, Program Manager	Electrical Conductivity @ 25 Deg. C	=189.1	umhos/cm	A2510B	1	SELF
SW-8	01/09/2013 11:40	10:00	Tedd Ward, Program Manager	Oil and Grease	<5	mg/L	E1664A	5	LAB
SW-8	01/09/2013 11:40	10:00	Tedd Ward, Program Manager	pH	=7.54	SU	A4500H	1	SELF
SW-8	01/09/2013 11:40	10:00	Tedd Ward, Program Manager	Total Suspended Solids (TSS)	=0	mg/L	A2540D		LAB
SW-3	01/09/2013 11:30	10:00	Tedd Ward, Program Manager	Nitrate, Total (as N)	=0.13	mg/L		0.1	LAB
SW-3	01/09/2013 11:30	10:00	Tedd Ward, Program Manager	Total Organic Carbon (TOC)	=4.3	mg/L	A5310B	1	LAB
SW-3	01/09/2013 11:30	10:00	Tedd Ward, Program Manager	Chemical Oxygen Demand (COD)	=8	mg/L	A5220D	5	LAB
SW-3	01/09/2013 11:30	10:00	Tedd Ward, Program Manager	Electrical Conductivity @ 25 Deg. C	=169.6	umhos/cm	A2510B	1	SELF
SW-3	01/09/2013 11:30	10:00	Tedd Ward, Program Manager	Oil and Grease	<5	mg/L	E1664A	5	LAB
SW-3	01/09/2013 11:30	10:00	Tedd Ward, Program Manager	pH	=7.15	SU	A4500H	1	SELF
SW-3	01/09/2013 11:30	10:00	Tedd Ward, Program Manager	Total Suspended Solids (TSS)	=0	mg/L	A2540D		LAB

2012-2013

**ANNUAL REPORT**

**FORM 2 - QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED  
NON-STORM WATER DISCHARGES (NSWDs)**

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Any Authorized NSWDs This Quarter?
July - Sept	09/05/2012	Tedd Ward	Program Manager	No

Source and Location of Authorized NSWD	Name of Authorized NSWD	Authorized NSWD Characteristics at Source	Authorized NSWD Characteristics at Drainage Area and Discharge Location	Revised or New BMP's Description and Implementation Date

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Any Authorized NSWDs This Quarter?
Oct - Dec	10/24/2012	Tedd Ward	Program Manager	No

Source and Location of Authorized NSWD	Name of Authorized NSWD	Authorized NSWD Characteristics at Source	Authorized NSWD Characteristics at Drainage Area and Discharge Location	Revised or New BMP's Description and Implementation Date

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Any Authorized NSWDs This Quarter?
Jan - Mar	01/31/2013	Tedd Ward	Program Manager	No

Source and Location of Authorized NSWD	Name of Authorized NSWD	Authorized NSWD Characteristics at Source	Authorized NSWD Characteristics at Drainage Area and Discharge Location	Revised or New BMP's Description and Implementation Date

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Any Authorized NSWDs This Quarter?
Apr - Jun	05/24/2013	Tedd Ward	Program Manager	No

Source and Location of Authorized NSWD	Name of Authorized NSWD	Authorized NSWD Characteristics at Source	Authorized NSWD Characteristics at Drainage Area and Discharge Location	Revised or New BMP's Description and Implementation Date

2012-2013

**ANNUAL REPORT**

**FORM 3 - QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED  
NON-STORM WATER DISCHARGES (NSWDs)**

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Unauthorized NSWDS Observed?	Indications of Prior Unauthorized NSWDS?
July - Sept	09/05/2012 09:00	Tedd Ward	Program Manager	No	No

Source and Location of Unauthorized NSWD	Name of Unauthorized NSWD	Unauthorized NSWD Characteristics at Source	Unauthorized NSWD Characteristics at Drainage Area and Discharge Location	Corrective Actions to Eliminate Unauthorized NSWD and Elimination Date

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Unauthorized NSWDS Observed?	Indications of Prior Unauthorized NSWDS?
Oct - Dec	10/24/2012 10:30	Tedd Ward	Program Manager	No	No

Source and Location of Unauthorized NSWD	Name of Unauthorized NSWD	Unauthorized NSWD Characteristics at Source	Unauthorized NSWD Characteristics at Drainage Area and Discharge Location	Corrective Actions to Eliminate Unauthorized NSWD and Elimination Date

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Unauthorized NSWDS Observed?	Indications of Prior Unauthorized NSWDS?
Jan - Mar	01/31/2013 13:00	Tedd Ward	Program Manager	No	No

Source and Location of Unauthorized NSWD	Name of Unauthorized NSWD	Unauthorized NSWD Characteristics at Source	Unauthorized NSWD Characteristics at Drainage Area and Discharge Location	Corrective Actions to Eliminate Unauthorized NSWD and Elimination Date

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Unauthorized NSWDS Observed?	Indications of Prior Unauthorized NSWDS?
Apr - Jun	05/24/2013 15:00	Tedd Ward	Program Manager	No	No

Source and Location of Unauthorized NSWD	Name of Unauthorized NSWD	Unauthorized NSWD Characteristics at Source	Unauthorized NSWD Characteristics at Drainage Area and Discharge Location	Corrective Actions to Eliminate Unauthorized NSWD and Elimination Date

2012-2013

**ANNUAL REPORT****FORM 4 - MONTHLY VISUAL OBSERVATIONS OF  
STORM WATER DISCHARGES**

Observation Date:		10/24/2012 00:00		Observer Name:		Tedd Ward		Observer Title:		Program Manager
Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation			
Drainage Location1	SW-8	10:30	No	West central portion of landfill mound.						
Drainage Location2	SW-3	10:40	No	Central east portion of landfill mound.						
Drainage Location3	SW-20	10:50	No	Northern portion of landfill mound.						
Observation Date:		11/08/2012 00:00		Observer Name:		Tedd Ward		Observer Title:		Program Manager
Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation			
Drainage Location1	SW-8	15:00	No	West central portion of landfill mound.						
Drainage Location2	SW-3	14:30	No	Central east portion of landfill mound.						
Drainage Location3	SW-20	15:30	No	Northern portion of landfill mound.						
Observation Date:		12/06/2012 00:00		Observer Name:		Tedd Ward		Observer Title:		Program Manager
Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation			
Drainage Location1	SW-8	10:00	No	West central portion of landfill mound.						
Drainage Location2	SW-3	10:20	Yes	Central east portion of landfill mound.	Discharge somewhat cloudy, no odor.	Surface erosion from landfill mound filled settling basin.	Need to repair surface drainage structures, restore grades, and vegetate.			
Drainage Location3	SW-20	10:40	No	Northern portion of landfill mound.						
Observation Date:		01/24/2013 00:00		Observer Name:		Tedd Ward		Observer Title:		Program Manager
Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation			
Drainage Location1	SW-8	14:00	No							
Drainage Location2	SW-8	14:30	No	Central east portion of landfill mound. Settling basin excavated and repaired - twice.						

Drainage Location3	SW-20	15:00		No				
Observation Date:		02/19/2013 00:00		Observer Name:	Tedd Ward		Observer Title:	Program Manager
	Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation
Drainage Location1	SW-8	10:00		No				
Drainage Location2	SW-3	10:15		No				
Drainage Location3	SW-20	10:30		No				
Observation Date:		03/06/2013 00:00		Observer Name:	Tedd Ward		Observer Title:	Program Manager
	Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation
Drainage Location1	SW-8	13:10		No				
Drainage Location2	SW-3	12:40		No				
Drainage Location3	SW-20	14:10		No				
Observation Date:		04/09/2013 00:00		Observer Name:	Tedd Ward		Observer Title:	Program Manager
	Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation
Drainage Location1	SW-8	09:15		No				
Drainage Location2	SW-3	09:30		No				
Drainage Location3	SW-20	09:45		No				
Observation Date:		05/01/2013 00:00		Observer Name:	Tedd Ward		Observer Title:	Program Manager
	Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation
Drainage Location1	SW-8	08:15		No				
Drainage Location2	SW-3	08:30		No				
Drainage Location3	SW-20	08:40		No				

2012-2013

**ANNUAL REPORT**

**FORM 5 - ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION  
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS**

<b>Evaluation Date:</b> 07/05/2013		<b>Inspector Name:</b> Tedd Ward		<b>Title:</b> Program Manager	
<b>Potential Pollutant Source/Industrial Activity Area</b>	<b>Are any BMPs Not Fully Implemented?</b>	<b>Are Additional/Revised BMPs Necessary?</b>	<b>Deficiencies in BMPs or BMP implementation</b>	<b>Additional/Revised BMPs or Corrective Actions and their date(s) of Implementation</b>	

2012-2013

**ANNUAL REPORT**

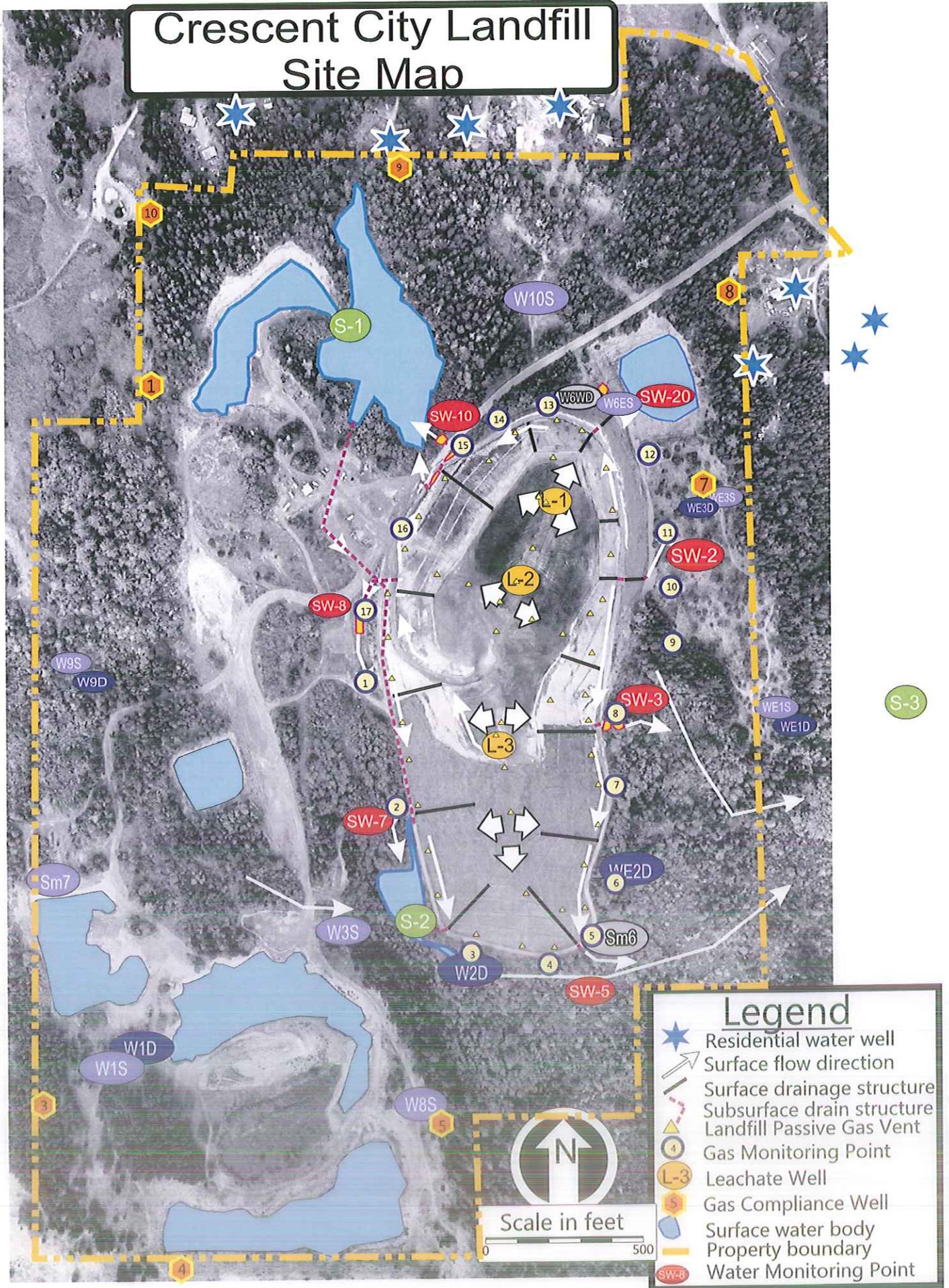
**EXPLANATIONS SPECIFIED FOR VARIOUS YES/NO QUESTIONS IN THE REPORT**

Explanation Question	Explanation Text
E6	This is an unstaffed closed landfill, and it is not practical to determine the moment of discharge to settling basins or overflow of these settling basins.
H1	
H7	We need to include a spill response kit in the Authority's vehicle and include use of this spill kit in a future safety meeting.

**Attachments:**

Attachment Title	Description	Date Uploaded	Attachment Type	Doc Part No/Total Parts
Crescent City Landfill Site map		07/05/2013	Facility/Site Map	1/1

# Crescent City Landfill Site Map



## Legend

- Residential water well
- Surface flow direction
- Surface drainage structure
- Subsurface drain structure
- Landfill Passive Gas Vent
- Gas Monitoring Point
- Leachate Well
- Gas Compliance Well
- Surface water body
- Property boundary
- Water Monitoring Point



# Del Norte Solid Waste Management Authority

1700 State Street, Crescent City, CA 95531

Phone (707) 465-1100 Fax (707) 465-1300

## CRESCENT CITY LANDFILL SEMIANNUAL MONITORING REPORT Reporting Period: January 2013 - June 2013

Submitted to  
**Regional Water Quality Control Board, North Coast Region**

Prepared by  
Tedd Ward, M. S. - Program Manager for the  
**Del Norte Solid Waste Management Authority**

### I. Introduction

The North Coast Regional Water Quality Control Board (RWQCB) has issued Waste Discharge Requirements Order 97-90 to both the County of Del Norte, the owner of the landfill site, and the Del Norte Solid Waste Management Authority, a joint powers authority of the County of Del Norte the City of Crescent City responsible for administering all solid waste and recycling activities within the Del Norte County. Under Order 97-90, the Del Norte Solid Waste Management Authority is required by 15 July and 15 January of each year to submit a monitoring report summarizing all activities during the past six months pertaining to Monitoring and Reporting Program 97-90. The Del Norte County Transfer Station facility, which opened in March 2005, essentially replaced the services which were provided at the Crescent City Landfill.

As RWQCB staff now receive copies of all water quality monitoring data from the Crescent City landfill, that raw data is not included with this report. In the few instances where compliance was not feasible, this report provides explanation about the situation encountered, and the Authority's strategies to comply with the intent of these orders.

#### A. Site Background

The Crescent City Landfill is located 2 miles north of Crescent City, in Del Norte County and is situated on a 166-acre parcel. The parcel including, APN # 110-020-08, APN # 110-020-43, and a portion of APN # 110-020-69, are owned by Del Norte County and zoned as a Public Facility. Current land use within 1 mile of the site is recreational, wildlife habitat, agricultural, residential, and industrial. Adjacent zoning designations surrounding the site are as follows: RCA-1 (Resource Conservation area), A-20 (Agricultural - 20 acre minimum), and RRA-1 MH-1 (Rural Residential - 1 acre minimum - Mobile Homes allowed). The landfill property is surrounded on three sides by Tolowa Dunes State Park, land owned by the California Department of Parks and Recreation, and their holdings include approximately 5,000 acres extending from Old Mill Road to the ocean less than two miles to the west. There is a residential area consisting of

fourteen property ownerships located approximately one quarter to one half mile north-northeast of the former disposal site.

## II. Principle Activities of the Authority Towards Compliance

During the first half of 2013, the Authority's efforts to comply with WDR No. 97-90 at the Crescent City Landfill have included several interrelated activities:

**Post-closure Maintenance of the Crescent City Landfill.** Final completion of closure construction was achieved on 02 February 2006. Authority staff continue to maintain the cover of the closed landfill in the aftermath of winter storms which have created erosion rills at several locations on the landfill mound

Authority staff generally consult with the County Engineering Department and/or Roads Department to evaluate alternative repair strategies. Each summer Authority staff work with CalFire and the Del Norte Fire Safe Council to mow the top deck and around drainage structures to increase predation of burrowing moles, voles, rodents and snakes by raptors, intending to control or prevent the damage caused by such. In June 2012, the Authority installed an additional gate to reduce the damage from off-road vehicles that will on occasion break into the unstaffed landfill property to drive on the large Dead Lake Dune south of the landfill.

As reported in our last semi-annual report, by November 2012 some erosion rills had compromised the surface drainage structures, and Authority staff worked with the Del Norte County Engineering Department and County Roads Department to restore drainage structures, grades, and vegetation. In May 2013, County Engineer Jim Barnts and Authority Program Manager Tedd Ward issued a Staff Report regarding 'Maintenance and Repair Strategies at the Crescent City Landfill' in which Mr. Barnts stated "*...observations of flows during downpours when cover soils at the landfill are saturated is essential information before additional drainage structures (if any are required) can be designed. So my general approach will be to repair the landfill to the design of the approved Closure Plan, and to make sure we observe the landfill during such storm conditions this coming winter.*" As-built drawings are included as part of this report to document these repairs and to indicate that the drop-inlet to the surface downdrain receiving stormwater runoff from the top deck of the landfill was moved downslope and the adjacent shoulder berms relocated to reduce or eliminate ponding along this shoulder berm.

**Environmental Services and Investigations at the Crescent City Landfill.** The Authority has hire EBA Engineering to address two issues:

**A. 'The Five Year Review Application for the Crescent City Landfill'** This section of tasks includes developing a cost estimate for addressing 'non-water releases,' by updating the unit costs and Closure Cost estimate as required under Title 27 of the California Code of Regulations, section 22101. This application has been submitted to the Local Enforcement Agent for CalRecycle.

**B. 'The Landfill Gas Investigation'** To conduct an engineering investigation regarding the volume and composition of the gases being passively vented at the Crescent City Landfill, to determine the landfill gas heat input capacity, as required under the California Code of Regulations, section 95471(b)3. This report has been drafted and will be submitted later this month.

**Appeal of the Crescent City Landfill's Threat / Complexity Rating** Since December 2010, the Authority has also engaged in appealing the 'IA' threat/complexity rating for this landfill, which results in a annual WDR fee that amounts to nearly \$2 per capita per year for this relatively small closed facility that shows relatively little variability in the direction of groundwater flow or the relatively low levels that constituents of concern detected through monitoring. In September 2012, the Authority Director and Program Manager met with The North Coast Regional Water Quality Control Board Executive Director Mathias St. John as well as RWQCB staffpersons Luis Rivera, David Leland, and Gina Morrison. In that meeting, Authority staff agreed to develop a plan for how our agency might demonstrate that the Crescent City Landfill is not having an adverse impact on the residential wells next to the landfill property. Towards this end, RWQCB cooperatively agreed to temporarily reduce the Threat/Complexity rating (and thus the WDR fee for 2013) for the Crescent City Landfill to free up resources for the Authority to pursue these issues.

In July 2013, the Groundwater Investigation Work Plan for the Crescent City Landfill, and a related Health and Safety Plan for the drilling, were approved. This plan proposes to drill two additional wells for investigating the elevation, flow direction and gradients for groundwater in both the shallow and deep water-bearing zones, and the location of these wells was selected to demonstrate the direction of groundwater flow nearest the residential water wells closest to the landfill property. The Authority intends to drill these wells this summer and begin monitoring later this year.

**Del Norte County Transfer Station Operations.** Construction of the Transfer Station was completed on 11 March 2005, and this facility has been open to the public since 14 March 2005. Authority staff continue to monitor operational issues at the Transfer Station.

**Engineering Feasibility Study for a Corrective Action Plan.** In Spring 2002, RWQCB staff determined that due to several detections of volatile organic compounds such as freon-12 and vinyl chloride, the RWQCB made a finding of that the Crescent City Landfill has "measurably significant" evidence of a release. In a letter of 03 April 2002, the Del Norte Solid Waste Management Authority proposed a schedule of actions for the Authority to return to compliance under Order 97-90. In January 2003, the Authority submitted a Feasibility Study for a Corrective Action Program for the Crescent City Landfill. In subsequent communications the Authority's contractor for this project, Winzler & Kelly Consulting Engineers, summarized communications and commitments in a letter dated 18 March 2003. On 18 July 2005, Regional Water Quality Control Board Water Resource Control Engineer approved of the Interim Corrective Action Work Plan, which essentially called for the drilling of three leachate piezometers / sampling wells within the landfill mound as well as the installation of gas probes around the perimeter of the landfill, and associated monitoring. These three leachate piezometers/leachate sampling wells were installed in August 2005, and water samples were collected from at least one of the leachate wells in February 2006, March 2007, January and August 2008, January and August 2009, August 2010, and January 2013.

**Continuing progress on other solid waste issues** for which the Authority is responsible, including administration of the new Countywide garbage collection franchise which began in July 2011, coordinating community cleanups, the annual household hazardous waste collection event, and increasing waste prevention, recycling, and composting.

**Administering grants** for expansion of Del Norte's recovery infrastructure. The Authority also administers CalRecycle grants related to used oil recycling and beverage container recycling.

## **A. Waste Discharge Monitoring**

As the landfill has been closed to the public since March 2005, no more municipal solid waste will be disposed at the Crescent City Landfill. Clean ditch cleanings are being stockpiled by the County Roads Department over the former whey pond. This area was over-excavated for cover material during landfill closure, and these materials are being placed in this area to retain this area as a usable uplands and to provide materials for grading and storm damage repair for the closed landfill. Apart from deliveries of rocks and soils and related materials needed to repair and maintain the landfill, these ditch cleanings are the only materials delivered to the landfill since closure construction was completed in February 2006.

## **B. Groundwater, Surfacewater and Stormwater monitoring**

RWQCB staff as well as the Local Enforcement Agent of the CIWMB (employed by the Del Norte County Health Department) receive copies of all water quality testing conducted at the landfill. The Authority collects water samples following the testing protocol recommended in the Technical Memorandum of October 1996 by Winzler & Kelly, and approved by RWQCB staff. These samples test for constituents prescribed under Order No. 97-90. The hydrology under the landfill may be characterized as two water bearing zones (henceforth referred to as 'shallow' and 'deep') separated by a semi-permeable marsh deposit between one-half and three feet thick. Several monitoring wells are established as pairs, one each for the shallow and deep water-bearing zones, such as well E-3 Shallow and well E-3 Deep. It is worth noting that well W-6W Deep is actually mostly screened within the marsh deposit, with just the lower two feet of the well screened below the marsh deposit. Well SM-6 is screened entirely within the marsh deposit.

In the process of replacing well E-3 Deep, Authority staff noticed that sand intrusion (presumably associated with the 3 well-volume purge conducted prior to sampling) reduced the total well depth in this well. For this reason, during the collection of water level data in January 2013, staff also measured the total well depth for each well. The results of this analysis are included with this report.

### Ground water

Attached are several graphs analyzing groundwater samples indicating the greatest impact for water quality data collected since 2000. Where the test did not detect a constituent of concern at a specific well, the detection limits of the testing laboratory are indicated on the graphs. Samples above the tolerance levels indicate a detectable impact to groundwater. For the January 2011 sampling, well SM-7 was damaged and samples were not collected from that well. The well E-3 Deep was also damaged and was not sampled in January 2013. Damaged wells have zeroes on the graphs, and otherwise the minimum detection limit is

indicated, thought results are 'non-detect.' The analysis relates to each of the enclosed graphs:

- 1. Total dissolved solids (TDS):** in the Technical Memorandum the upper tolerance level for shallow wells indicating a release is 760 mg/L. In August 2007, Well E-3 Deep had a TDS level of 1000 mg/L, though no shallow wells exceeded the upper tolerance interval, and no separate tolerance interval was established for the deep wells. No wells, shallow or deep, had been sampled with TDS results above this level since August 2007, except in September 2011, Well E-2 Deep had a TDS level of 1500 mg/L. In January 2012, Authority staff discovered that the dedicated pump installed in Well E-3 Deep had been stolen. Authority staff have improved the locking mechanism on well E-3 Deep and installed a replacement well. Since January 2012, no wells have exceeded the upper tolerance level for TDS.
- 2. Chemical oxygen demand (COD):** in the Technical Memorandum the upper tolerance level for shallow wells indicating a release is 241 mg/L. In August 2007, well SM-6, at the southeast corner of the landfill mound had a COD level of 2500 mg/L. This extraordinary result was not consistent with prior data for any well, and the results from the January 2008 sample was an unprecedented 13000. Staff suspect this result was related to the PVC glue which appeared to be the source of the toluene detected at the same well. The resample of February 2008 did not include COD analysis. The August 2010 sample results for COD in well SM-6 was 910 mg/L. In January 2011, duplicate samples were collected from SM-6 and sent to be tested for COD using two different labs just in case this most recent data could reflect a laboratory error. Both laboratories analyzing these samples for COD confirmed that in January 2011 at well SM-6, COD was below the detection limit of 5 mg/L. In September 2011, well SM-6 had a COD concentration of 1300 mg/L, in November 2012 had a COD concentration of 750 mg/L, and in January 2013 had a COD concentration of 400 mg/L.. This well is screened entirely within the marsh deposit, so should not be considered in excess for the tolerance interval set for shallow wells.
- 3. Bicarbonate alkalinity:** In the Technical Memorandum the upper tolerance level for shallow wells indicating a release is 272 mg/L. The shallow wells with the highest bicarbonate alkalinity concentration in January 2103 was Well E-3 Shallow (170 mg/L). The bicarbonate alkalinity concentrations for wells E-3 Deep, W2 Deep and E2 Deep all have all exceeded 300 mg/L since January 2012, but no tolerance interval has been set for the deep wells for this analyte.
- 4. Arsenic:** The maximum contaminant level for drinking water in California is .05 mg/L Arsenic. In March 2010, well W-2 Deep had this concentration of 0.05 mg/L arsenic, and in January 2011, the arsenic concentration at W-2 Deep was 0.49 mg/L. Since that time, the highest concentration of arsenic sampled was in well W-2 Deep, at 0.039 mg/L in September 2012.

5. **Nickel:** The maximum contaminant level for drinking water in California is 0.1 mg/L nickel. In 2009, Well 3S Shallow had unusually high measurements of nickel, peaking at 0.17 mg/l nickel in August 2009, but nickel concentrations at this location has returned to historical levels since January 2010. In September 2012, Well W1E - Deep had an unprecedented nickel concentration of 0.1 mg/L, with all other wells at or below a concentration of 0.028 mg/L nickel. In January 2013, all wells sampled had nickel concentrations below 0.025 mg/L.
  
6. **Vinyl chloride:** The detection limit for this constituent (1.0 ppb) for many years exceeded the California maximum contaminant level (M.C.L.) for drinking water of 0.5 parts per billion (ppb), but for technical reasons 1.0 ppb was been the lowest limit North Coast Laboratories (NCL) could detect until January 2011, when NCL lowered their detection limit to 0.5 ppb. For the August 2007 sampling, the reporting limit was raised to 4.0 ppb for well SM-6 due to a loss of instrument response. As the August 2009 sample included Constituent of Concern monitoring, samples were sent to another lab for analysis of volatile organics, and for many of these analytes, the detection limits were lowered. Since January 2011, vinyl chloride has been detected only in well Well E-1 Deep, with a concentration of 0.9 ppb in January 2011, 0.75 ppb in January 2012, and 0.73 ppb in January 2013.
  
7. **Dichlorodifluoromethane (Freon 12)** The upper tolerance level for shallow wells had been identical with the detection limits for this constituent (1.0 ppb) until NCL was able to lower their detection limit to 0.5 ppb in January 2012. Due to 'a loss of instrument response', North Coast Labs has had to adjust the detection limits upwards to 2.0 ppb for the three sampling events between September 2005 and August 2006. The August 2007 samples were all non-detect for this constituent, though the detection limits were again raised to 4 ppb for wells E-3 Deep, W2-Deep and SM-7 Shallow again 'due to a lack of instrument response.' As the August 2009 sample included Constituent of Concern monitoring on some wells, those samples were sent to another lab for analysis of volatile organics, and for many of these analytes, the detection limits were lowered. Since January 2008, all groundwater well samples have been non-detect for this constituent. The sampling events when well SM-7 and E-3 Deep were damaged are indicated as 'zeros' but these points do not reflect data from analyzed water samples.

### Surface water

Authority staff collect samples from 3 surface locations four times per year. The attached graphs reflect recent data, and indicate detections above the tolerance intervals from Winzler & Kelly's Technical memorandum. Samples above these tolerance levels indicate the landfill's detectable influence on surrounding surface waters.

Surface water monitoring point S-1 is sampled from the North Pond, with samples collected from the channel of water connecting the North Pond to the water ponded in the northwest excavation area.

Starting with the August 2006 sampling, the location of S-2 was moved from the overflow pond adjacent to the landfill to a point S-2B slightly downstream just south of groundwater Well 2. This change of sampling location became necessary because in August 2006, vegetation had grown over location S-2, and no surface water was accessible for sampling. Location S-2B was the nearest accessible location to S-2 for sampling surface water, this location has accessible surface water year more frequently than the original S-2 location. Despite this change in location, In August and November 2007, there was not adequate surface water available for sampling at location S-2B, as was confirmed by Gina Morrison of RWQCB staff during her inspection of the Crescent City Landfill at that time. Authority staff collected a sample from S-2B as soon as adequate water was available for sampling, on 03 December 2007. During the period when S-2 could not be sampled, the data are graphed as 'zeros' but this does not reflect laboratory analysis of collected samples. Between March 2010 and November 2012, due to a small beaver dam, water was once again reliably present at the original location of S-2, and staff returned to this location for the collection of surface water samples. After November 2012, vegetative growth had made location S-2 much less accessible and samples are once again collected at location S-2B.

The S-3 sampling location is surface water flowing from the wetlands down gradient from the landfill north towards Lake Earl, sampled on the south side of Old Mill Road in front of the culvert conveying water flows under that road.

The tolerance level for sodium in surface water is 15.4 mg/L This value was exceeded in November 2012 at S-1 (15.9 mg/L) and S-2 (17 mg/L), and has not been exceeded in samples collected in January or March 2013.

The tolerance interval for calcium in surface water is 21 mg/L Calcium. Since January 2012, the highest concentration of calcium was detected at location S-2 and S-2B at 35 mg/L in the September 2012 sampling and 29.2 mg/L in November 2012. In January and March 2013, all surface water sampled below the tolerance level set for Calcium.

None of the above referenced surface water samples indicated any constituent of concern above the maximum contaminant level for drinking water.

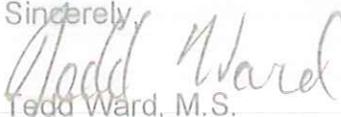
### Storm water

As the Crescent City Landfill closed to the public in March 2005, the landfill no longer has an 'active face.' Stormwater samples collected on 22 March 2005 were the last stormwater samples collected prior to the installation of the final landfill cover. Stormwater samples during this reporting period were collected on 25 January 2010, with all locations being 'inactive'.

None of the samples collected detected any grease or oils.

If you have any questions or comments on this report or require further information regarding our water quality monitoring, please feel free to call me at 707-465-1100.

Sincerely,



Tedd Ward, M.S.

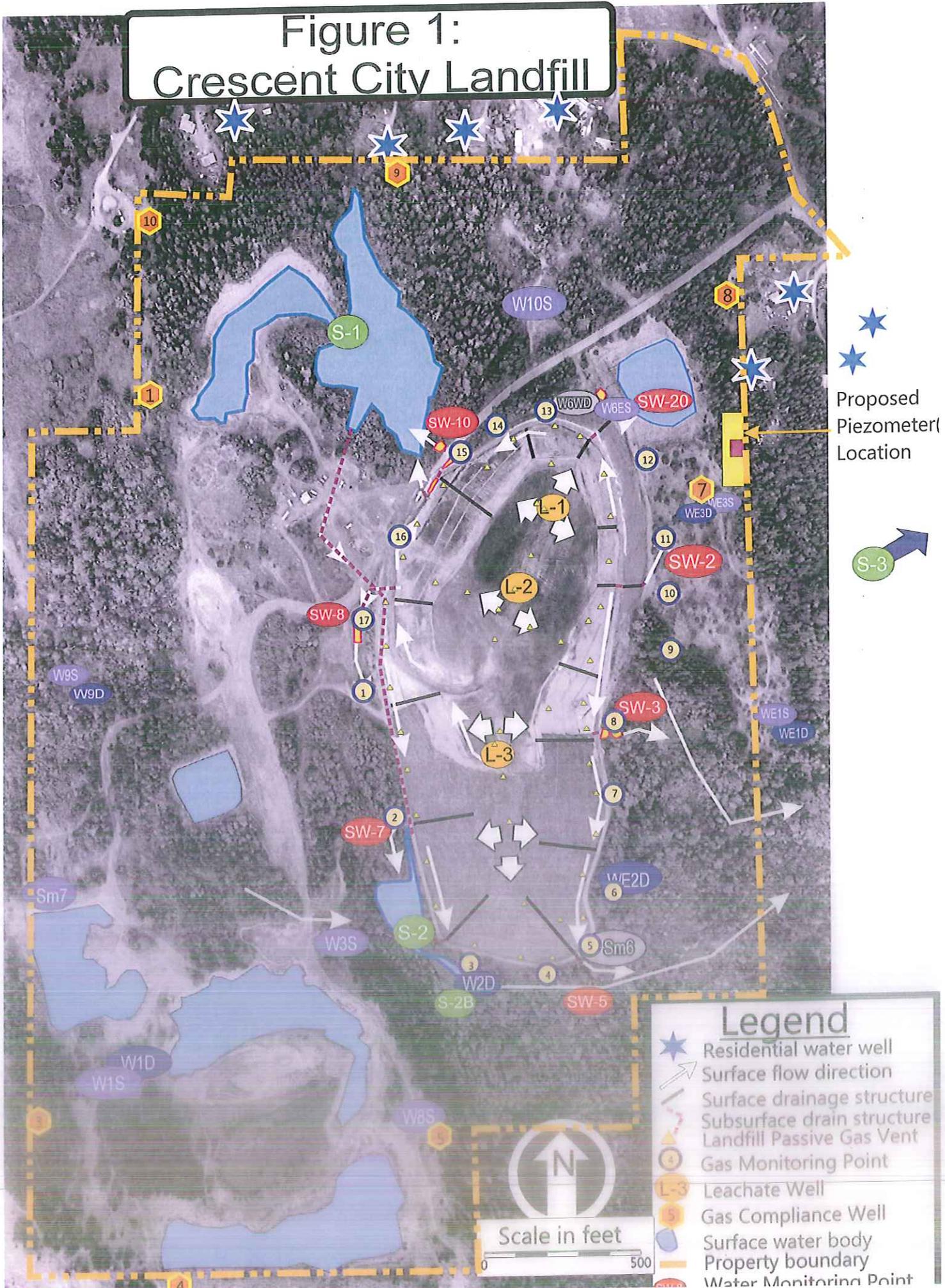
Program Manager

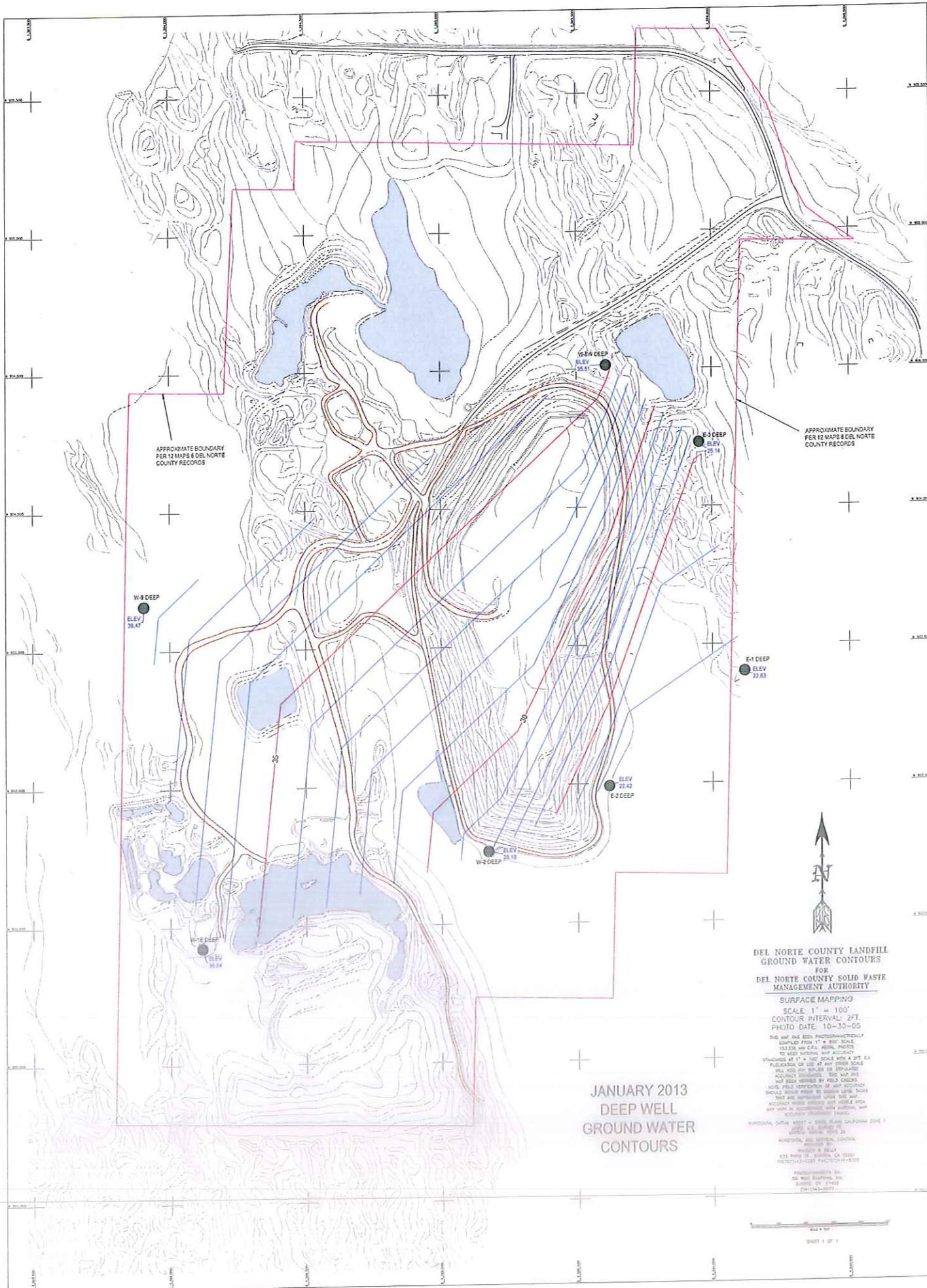
## **ENCLOSED MONITORING REPORTS AND SUMMARIES:**

1. Crescent City Landfill Site Map, including all sampling locations
2. Tables and Graphs summarizing groundwater quality monitoring data collected at the Crescent City Landfill
  - a. Total Dissolved Solids (TDS)
  - b. Chemical Oxygen Demand (COD)
  - c. Bicarbonate Alkalinity
  - d. Arsenic
  - e. Nickel
  - f. Vinyl Chloride
  - g. Dichlorodifluoromethane
  - h. Surface water: Calcium
  - i. Surface water: Sodium
3. Crescent City Landfill January 2013 Shallow Well Groundwater Contours
4. Crescent City Landfill January 2013 Deep Well Groundwater Contours
5. Crescent City Landfill Water Level Data: January 2013
6. Crescent City Landfill Sample Data: January 2013
7. Data collected during storm and surface water sampling, March 2013
8. As-Built Drawings of Drainage Failure Repair

cc: Brian McNally, Del Norte County Department of Environmental Health  
Jim Barnts, Del Norte County Community Development Department

# Figure 1: Crescent City Landfill





APPROXIMATE BOUNDARY  
PER 12 MAPS & DEL NORTE  
COUNTY RECORDS

APPROXIMATE BOUNDARY  
PER 12 MAPS & DEL NORTE  
COUNTY RECORDS

W-9 DEEP  
ELEV  
20.47

W-8 DEEP  
ELEV  
20.51

W-7 DEEP  
ELEV  
20.54

E-1 DEEP  
ELEV  
22.63

ELEV  
22.42  
E-2 DEEP

W-2 DEEP  
ELEV  
21.19

W-7 DEEP  
ELEV  
20.54

**JANUARY 2013  
DEEP WELL  
GROUND WATER  
CONTOURS**

**DEL NORTE COUNTY LANDFILL  
GROUND WATER CONTOURS  
FOR  
DEL NORTE COUNTY SOLID WASTE  
MANAGEMENT AUTHORITY**

**SURFACE MAPPING  
SCALE 1" = 100'  
CONTOUR INTERVAL: 2FT.  
PHOTO DATE: 10-30-05**

THIS MAP HAS BEEN PHOTOGRAMMETRICALLY  
CORRECTED FROM 1" = 100' SCALE,  
133,136 AND C.F.L. AERIAL PHOTOS  
TO MOST NEARLY MAP ACCURACY.  
STATIONING AT 1" = 100' SCALE WITH A 3/16" O.A.  
PUBLICITIES USE SET BY ANY OTHER SCALE  
WILL NOT BE SUPPORTED OR GUARANTEED.  
ALL DATA POINTS SHOWN ON THIS MAP  
NOT BEEN VERIFIED BY FIELD CHECKS.  
NOTE: FIELD VERIFICATION OF MAP ACCURACY  
SHOULD BE MADE FROM 80 COMMON LEVEL STAKES  
THAT ARE APPROXIMATELY 1000 FEET APART.  
ACCURACY WHILE AIRBORNE AND GROUND DATA  
WILL VARY BY APPROXIMATELY 10% HORIZONTAL, MAP  
ACCURACY VERTICAL: 10%.

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PHOTOGRAMMETRY, INC.  
533 PARK ST., FORTUNA, CA 95502  
PHOTOGRAMMETRY, INC.  
200 WEST BROADWAY, 3RD FLOOR  
SUNNYVALE, CA 94086  
PH: (415) 941-8877  
FAX: (415) 941-8877



SHEET 1 OF 1







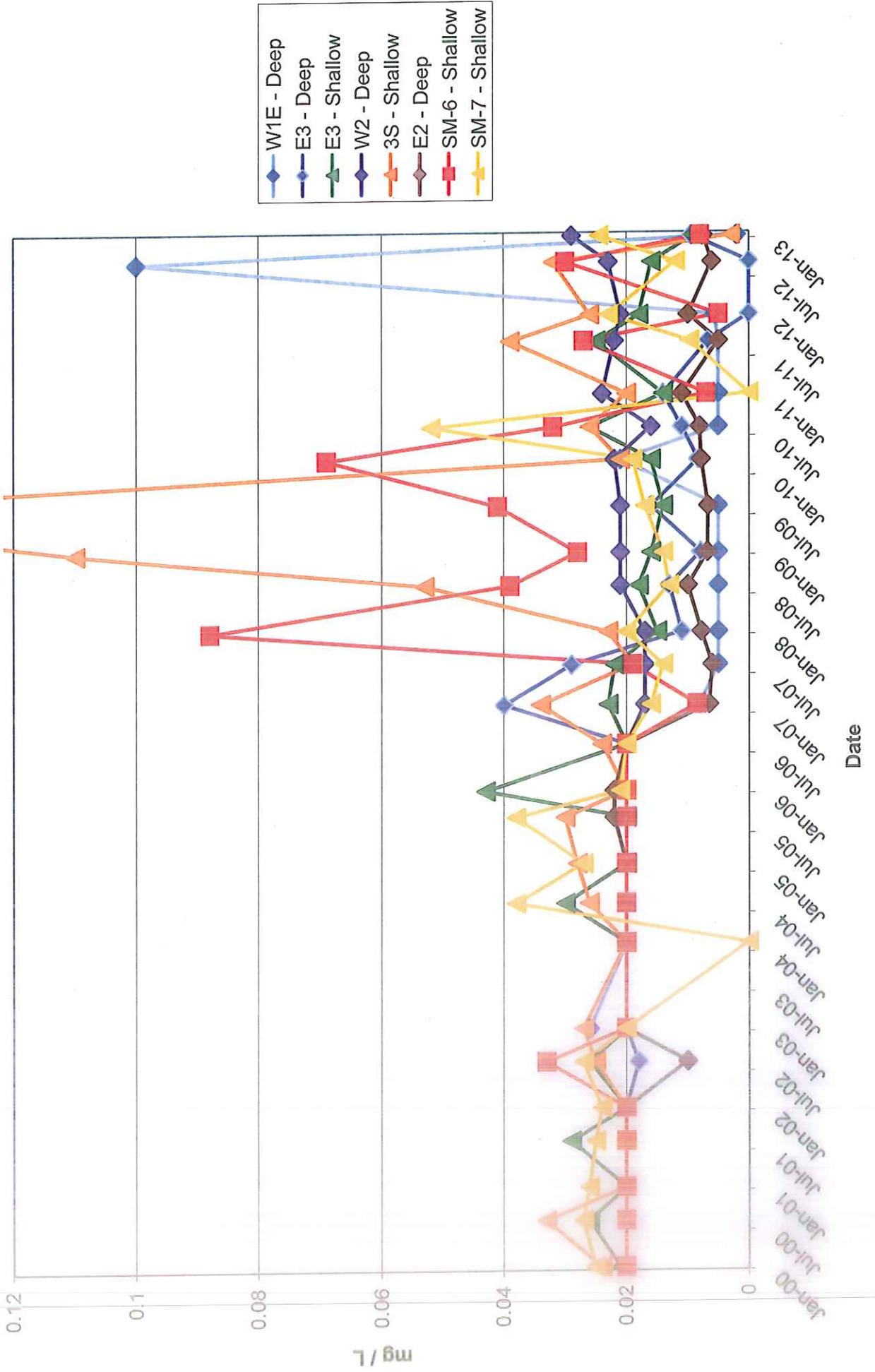




# Nickel

Crescent City Landfill

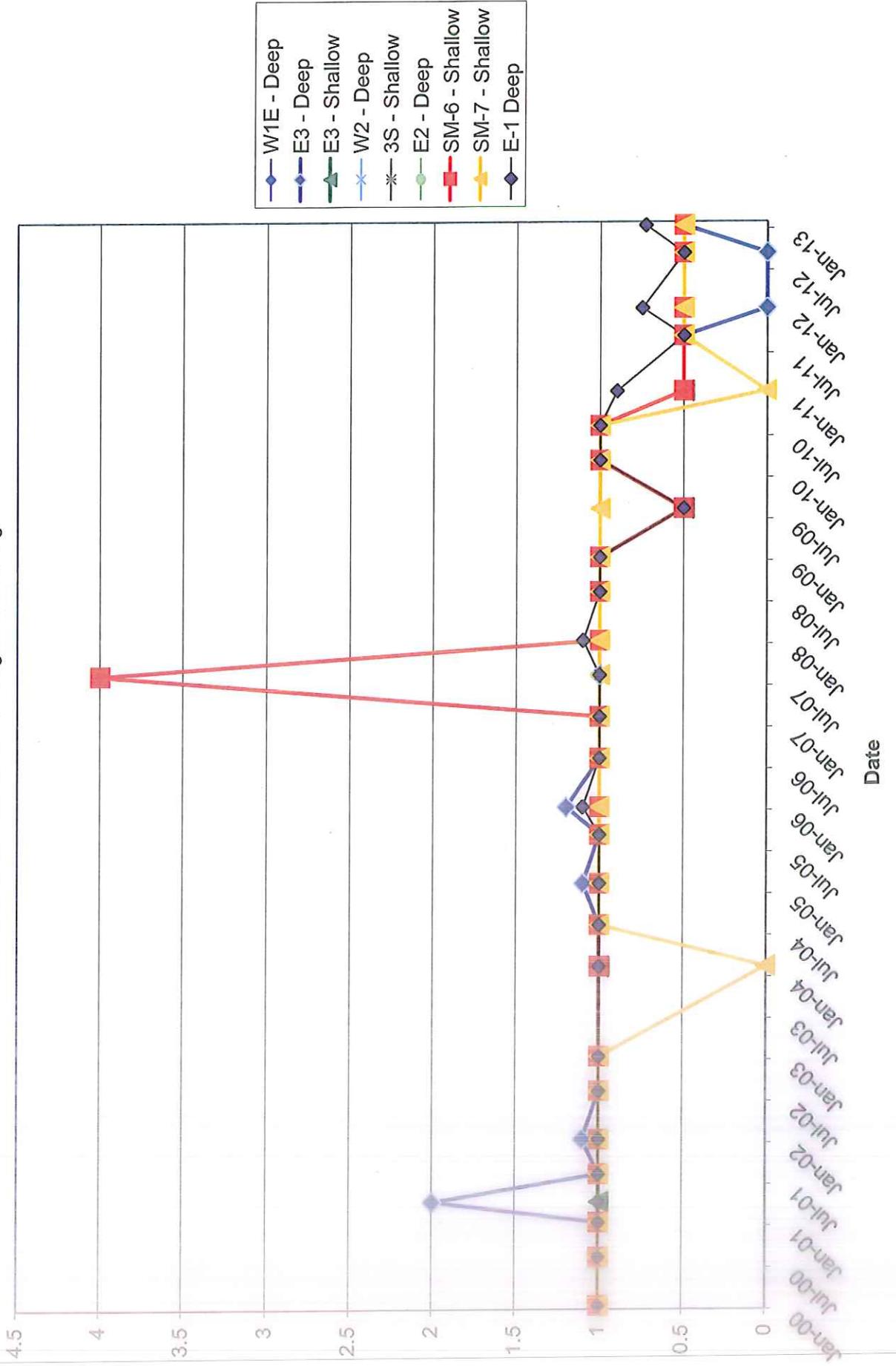
Max. contaminant levels for drinking water: 0.1 mg/L



# Vinyl Chloride

Crescent City Landfill

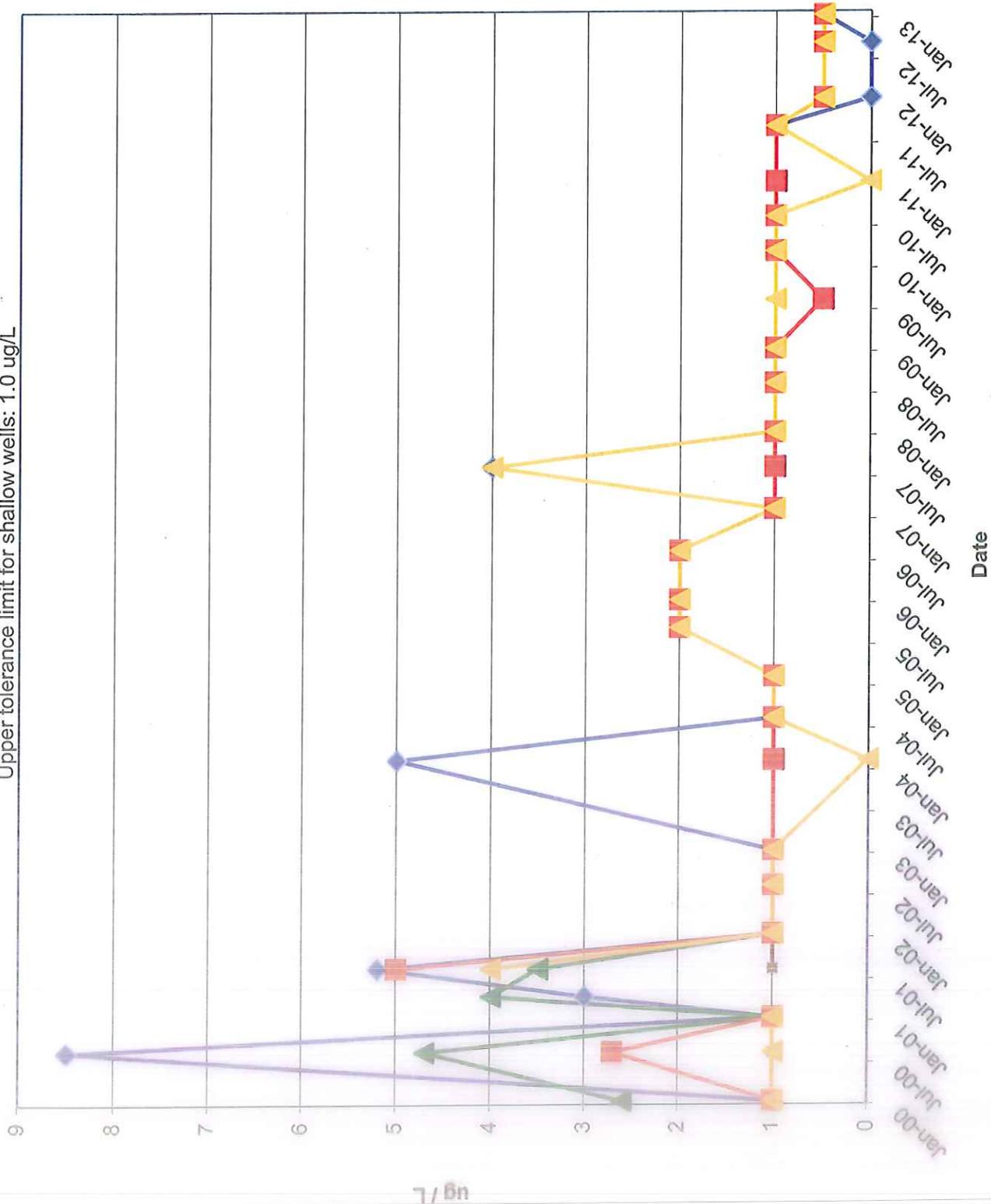
Max. contaminant levels for drinking water: 0.5 ug/L



# Dichlorodifluoromethane (Freon 12)

Crescent City Landfill

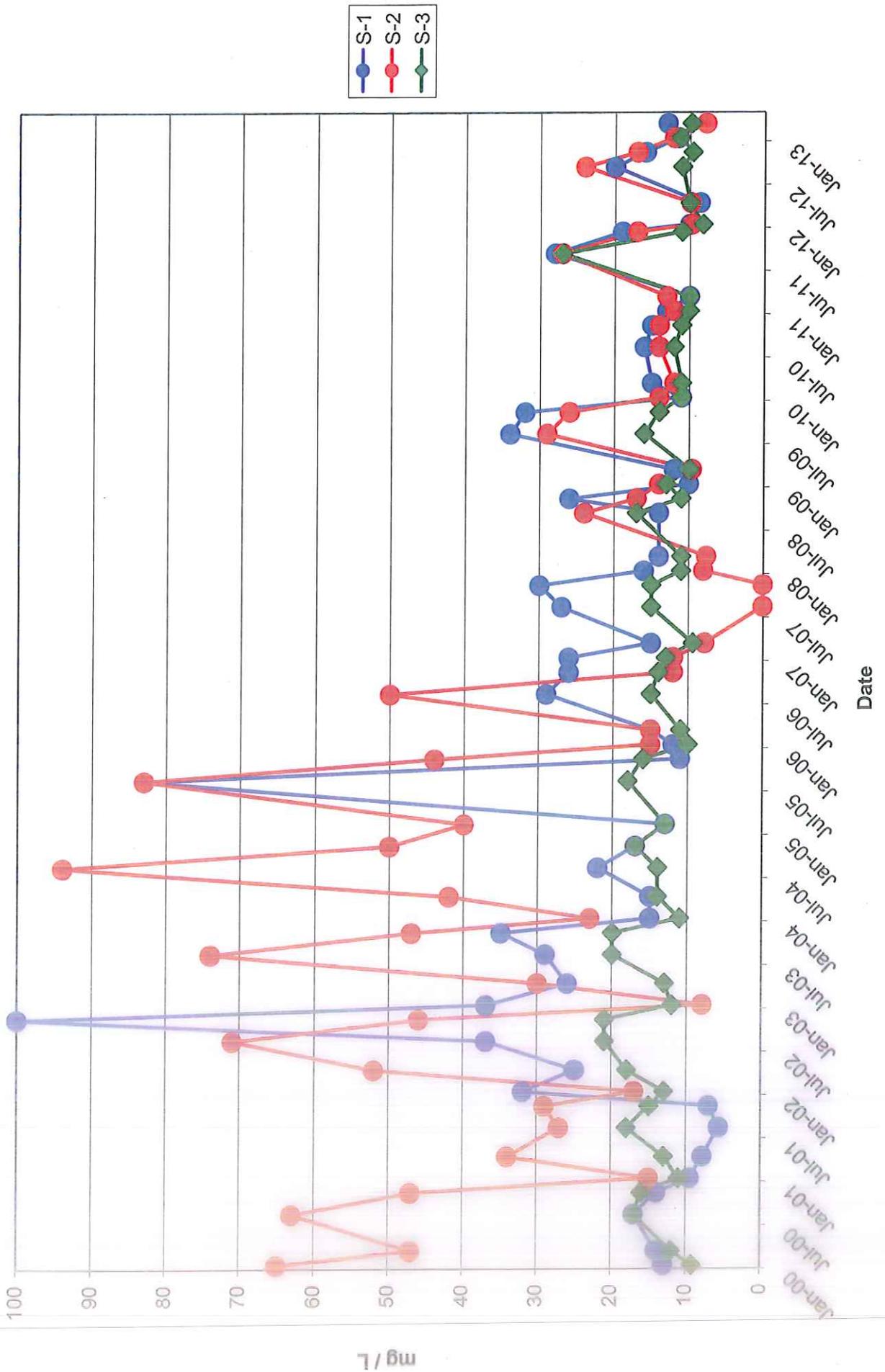
Upper tolerance limit for shallow wells: 1.0 ug/L



# Surface Water Sodium

Crescent City Landfill

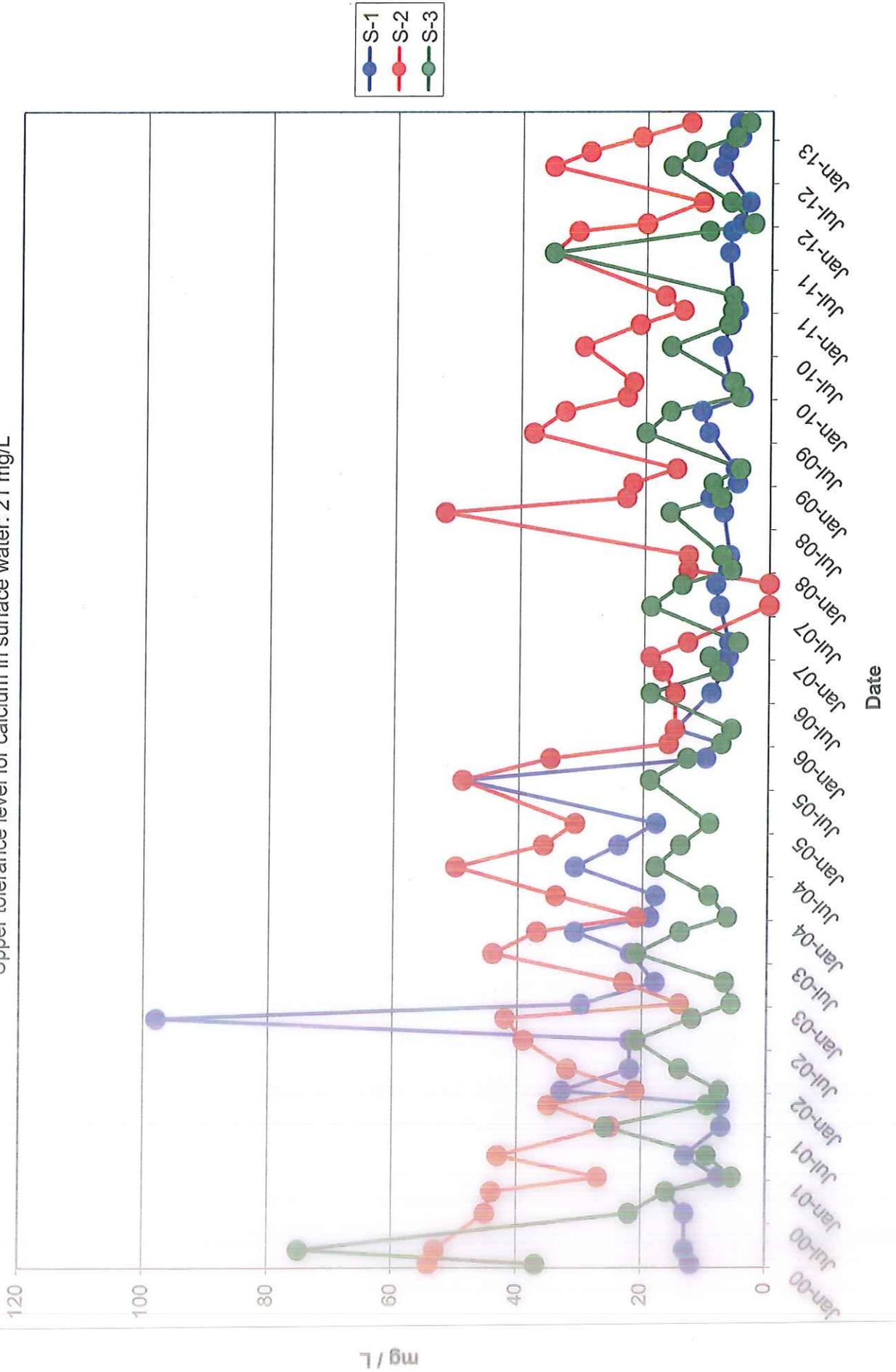
Upper tolerance level for sodium in surface water: 15.4 mg/L



# Surface Water Calcium

Crescent City Landfill

Upper tolerance level for calcium in surface water: 21 mg/L



Crescent City Landfill Water Level Data January 2013

Well	Well Depth feet	Measured Well Depth	NEW Measured Well Depth	TOC, MSL Elevation feet	Casing Diameter inches	Date	Time	Initials of sampler	Measured Depth feet	Groundwater Well Elevation feet>MSL	Groundwater Well Bottom feet>MSL
E-1 Deep	60	56.3	56.25	50.63	4	17-Jan-13	1:11 PM	MP	28.00	22.63	-5.67
E-1 Shallow	30	33.05	33.08	52.76	4	17-Jan-13	1:11 PM	MP	27.82	24.94	19.71
E-3 Deep	70	64.47	58.6	56.54	4	17-Jan-13	2:52 PM	MP	31.40	25.14	-7.93
E-3 Shallow	38	36.45	36.55	57.65	4	17-Jan-13	2:46 PM	MP	27.80	29.85	21.2
W-6W Deep	44.5	45.45	45.45	47.03	4	17-Jan-13	1:15 PM	MP	11.52	35.51	1.58
W-6E Shallow	36	37.05	37	47.06	4	17-Jan-13	1:15 PM	MP	10.65	36.41	10.01
W-10 Shallow	14	14	14	45.42	4	17-Jan-13	2:03 PM	MP	6.45	38.97	31.42
E-2 Deep	45	45.26	45.3	26.86	4	17-Jan-13	2:03 PM	MP	4.44	22.42	-18.4
SM-6 Shallow	10	13.85	13	28.57	4	17-Jan-13	2:41 PM	MP	4.50	24.07	14.72
W-2 Deep	26	26.85	25.35	32.61	4	17-Jan-13	1:44 PM	MP	4.42	28.19	5.76
L-1 North		49.95		102.37	6	17-Jan-13	1:24 PM	MP		102.37	52.42
L-2		63.5		101.97	6	17-Jan-13	1:24 PM	MP		101.97	38.47
L-3 Middle		65.02	60.91	98.06	6	17-Jan-13	1:39 PM	MP	60.91	37.15	33.04
SM-7 Shallow	17	18.5	18.54	50.38	4	17-Jan-13	1:49 PM	MP	4.93	45.45	31.88
W-1E Deep	48.5	49.65	49.65	52.71	4	17-Jan-13	1:49 PM	MP	16.07	36.64	3.06
W-1W Shallow	17.5	19.28	19.21	52.50	4	17-Jan-13	1:31 PM	MP	7.16	45.34	33.22
W-8 Shallow	40	39.2	39.18	53.58	4	17-Jan-13	1:55 PM	MP	13.70	39.88	14.38
W-3S Shallow	20	17.74	21	43.76	4	17-Jan-13	2:00 PM	MP	4.50	39.26	26.02
North Well		34.3								0	-34.3
SM-12 (S-1) Surface	7	7.9		44.88	4					44.88	36.98
W-9 Deep	70	68.3	68.95	61.07	4	17-Jan-13	1:49 PM	MP	21.60	39.47	-7.23
W-9 Shallow	20	20.5	20.52	53.13	4	17-Jan-13	1:49 PM	MP	6.15	46.98	32.63

Crescent City Landfill Water Sampling Data January 2013

Source	Description for Final map	Well Depth	FORMER Well Depth	NEW Measured Depth	TOC, MSL Elevation	Casit Diameter	Date	Time	Initials of sampler	Measurer: Depth	Elevation	Grounds Well Volume	Purge volume	3.00 gallons	Volume purged	Number of well volumes	Specific Conductance (uS)	Temp F	pH	Salinity	tds	Comments / Flow
Pump	E-1 Deep	60	58.6	56.25	50.63	4	22-Jan-13	9:20 AM	MP & EL	28.06	22.57	18.79	56.38	61.00	3.25	965.0	48.2	6.9	489	683		
g/w/d	E-1 Shallow	30	33.19	33.08	52.76	4	22-Jan-13	9:18 AM	MP & EL	27.95	24.81	3.42	10.26	10.40	3.04	580.0	48.5	6.96	289	397		
g/w/d	E-2 Deep	45	45.4	45.3	29.86	4	22-Jan-13	2:40 PM	MP & EL	4.40	22.46	27.27	81.80	82.00	3.01	911.0	54.6	7.97	520	694		
g/w/d	SM-3 Shallow	10	13	13	28.57	4	24-Jan-13	10:30 AM	MP & EL	4.05	24.52	5.97	17.90	26.10	4.37	277.0	52.8	8.09	371	172	Dry @ 10, 25	
g/w/d	E-3 Deep	70	63.15	58.8	59.54	4	22-Jan-13	10:10 AM	MP & EL	31.50	25.04	18.07	54.20	63.30	3.50	999.0	51.8	7.02	490	704		
g/w/d	E-3 Shallow	38	38	36.55	57.65	4	22-Jan-13	10:02 AM	MP & EL	28.00	29.65	5.70	17.10	20.00	3.51	378.0	50.1	7.22	213	273		
g/w/d	W-1E Deep	48.5	51.24	49.65	52.71	4	22-Jan-13	12:20 PM	MP & EL	16.45	36.26	21.00	66.40	70.20	3.34	322.0	50.1	7.23	296	231	Dry @ 9, 21	
g/w/m	W-1W Shallow	17.5	19.33	19.21	52.50	4	24-Jan-13	11:29 AM	MP & EL	6.80	45.70	8.27	24.82	25.06	3.03	385.0	50.2	7.68	909	125		
g/w/m	W-2 Deep	26	26.2	25.35	32.91	4	24-Jan-13	10:00 AM	MP & EL	3.33	29.28	14.68	44.04	21.00	1.43	1060.0	51.0	7.53	710	763	Dry @ 15, 21	
g/w/m	W-3S Shallow	20	21.1	21	43.76	4	24-Jan-13	11:00 AM	MP & EL	3.95	39.81	11.37	34.10	34.10	3.00	208.0	48.9	7.77	894	119		
g/w/d	W-5W Deep	44.5	45.6	45.45	47.03	4	22-Jan-13	10:50 AM	MP & EL	11.60	35.43	22.57	67.70	42.00	1.89	398.0	50.5	7.25	183	245	Dry @ 26, 42	
g/w/d	W-9E Shallow	36	37.22	37	47.06	4	22-Jan-13	10:01 AM	MP & EL	10.71	36.35	17.53	52.58	53.00	3.02	325.0	52.1	7.6	170	224		
g/w/d	W-8 Shallow	40	36.24	36.18	53.56	4	22-Jan-13	2:10 PM	MP & EL	23.30	30.28	10.59	31.78	31.88	3.01	192.5	55.0	7.43	130	161		
g/w/d	W-9 Deep	70	71.3	69.95	61.07	4	22-Jan-13	1:30 PM	MP & EL	21.94	39.43	31.54	94.02	99.40	3.15	440.0	50.7	7.68	253	303		
g/w/d	W-9 Shallow	20	20.6	20.52	53.13	4	22-Jan-13	1:25 PM	MP & EL	6.40	46.73	9.41	28.24	28.40	3.02	173.0	50.0	7.26	826	114.1		
g/w/m	W-10 Shallow	14	13.92	14	45.42	4	24-Jan-13	9:29 AM	MP & EL	6.08	39.36	5.29	15.88	15.68	2.86	148.0	47.6	7.41	840	104.2		
g/w/m	SM-7 Shallow	17	17.14	16.54	50.38	4	24-Jan-13	11:04 AM	MP & EL	4.45	45.93	9.39	28.18	28.38	2.81	178.0	50.0	7.56	760	128		
SW - 3							9-Jan-13	11:30 AM	TW								169.6	46.3	7.15	85.6	117.8	3 gpm
SW - 8							9-Jan-13	11:40 AM	TW								189.1	44.9	7.54	89.2	131.3	-3 gpm
SW - 20							9-Jan-13	11:00 AM	TW								142.3	45.3	7.56	71.4	98.3	-3 gpm
SW -							31-Jan-13	4:00 PM	TW								216	44.4	7.8	131	163	
S-1 Surface							31-Jan-13	3:00 PM	TW								374	44.0	7.1	238	280	
S-2 Surface							31-Jan-13	1:45 PM	TW								159.6	37.5	6.85	81.1	105.3	
S-3 Surface																						
L-1			50		102.37																	
L-2			63.3		101.97																	
L-3			65		60.91		22-Jan-13	3:05 AM	MP & EL	60.72	37.34	0.13	0.38				777	69.4	648	240	309	

Crescent City Landfill Storm and Surface Water Sampling March 2013

Description for Final map	Date	Time	Initials of sample	Specific Conductance (uS)	Temp F	pH	Salinity tds mg/L	Flow gpm	Comments / Flow
SW - 3	6-Mar-13	12:40 PM	TW	140.8	49.2	8.1	84.5	117.3	100
SW - 8	6-Mar-13	1:10 PM	TW	130.1	46.2	7.8	68.6	93	16.67
SW - 20	6-Mar-13	2:10 PM	TW	93.5	46.4	7.78	76.3	64.2	>15 gpm
S-1	6-Mar-13	1:45 PM	TW	176.9	47.4	7.52	92.8	125.9	
S-2	6-Mar-13	1:20 PM	TW	124.4	46.7	7.25	96	125.5	
S-3	6-Mar-13	2:20 PM	TW	140	45.6	7.29	95.3	98.4	
TS-1	5-Mar-13	4:00 PM	TW	77.4	51.8	6.95	29.5	112.2	Inflow pipe submerged
TS-2	5-Mar-13	4:15 PM	TW	90.6	48.7	6.59	36.2	63.6	Flowing
TS-3	5-Mar-13	3:40 PM	TW	82.6	45.6	6.83	85.5	87	Flowing



**COLLECTIONS FRANCHISE CHANGE ORDER 4**

**CONTRACT:** FRANCHISE AGREEMENT FOR SOLID WASTE AND RECYCLABLES COLLECTION SERVICES FOR CRESCENT CITY AND DEL NORTE COUNTY, CALIFORNIA

**CONTRACTOR:** RECOLOGY DEL NORTE, INC.

**AUTHORITY:** DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY

**SUBJECT:** BRUSH COLLECTION CHANGES AND TEMPORARY BRUSH CART SERVICE

**NATURE OF CHANGES:** This Change Order eliminates the requirement that Organics (Brush, leaves and grass) collection services be provided on the same day that Solid Waste Collection services are offered at that address, and reduces the collection component of residential brush collection services by 0.00%. Contractor will contact each customer subscribing for weekly Organics collection to notify them prior to any changes to the day of the week for their organics collection.

This Change Order also adds Temporary Brush Cart Collection Services to the menu of services to be provided under the Agreement, and sets a maximum rate the Franchisee may charge for such services. Temporary Brush Cart services will comply with Exhibit B1, Section B.2(a) and (b) of the Agreement and the proportional Collection, Transportation, and Tipping components of these rates are described as 'Cart Organics Services' within the Agreement. The Commencement Day Rate for a 64 Gallon Temporary Brush Cart service is hereby set to be \$11.15 and the Commencement Day Rate for a 96 gallon temporary brush cart service is hereby set to be \$16.92. These rates are subject to the annual CPI-based Rate Adjustment described in section 7.02 of the Agreement, and after approval of this Change Order, these services will be offered to customers at the following rates:

- 64 gallon Temporary Brush Cart Service, collected one week after delivery.....\$11.88
- 96 gallon Temporary Brush Cart Service, collected one week after delivery.....\$18.03

**CHANGES TO CONTRACT TIME:** No changes. The rates and services described in this Change Order may be offered to customers within the Franchise area once this Change Order has been approved and executed.

**CHANGES TO CONTRACT PRICE:** Contractor may collect amounts not to exceed the rates described in this Change Order from customers for the services described above.

*This Change Order is hereby approved:*

*Date:* \_\_\_\_\_

**RECOLOGY DEL NORTE, INC.**

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**

By: \_\_\_\_\_  
Tommy Sparrow, General Manager

By: \_\_\_\_\_  
Richard Enea, Chair

ATTEST:

\_\_\_\_\_  
Secretary

APPROVED AS TO FORM:

\_\_\_\_\_  
Martha D. Rice, General Counsel

**ORDINANCE NO. 2013-01**

**A RATE ORDINANCE OF THE BOARD OF COMMISSIONERS  
OF THE DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY  
ESTABLISHING RATES FOR PROVIDING PUBLIC SCALE SERVICES  
AT THE DEL NORTE COUNTY TRANSFER STATION**

**WHEREAS**, the Del Norte Solid Waste Management Authority is a Joint Powers Authority of the City of Crescent City and the County of Del Norte formed in part to manage the disposition of solid waste and other discards;

**WHEREAS**, the Del Norte County Transfer Station is the only public facility in Del Norte County that has two certified scales;

**WHEREAS**, the California Department of Motor Vehicles requires certified commercial truck weight certificates as part of the licensing requirements for such vehicles and some commercial haulers also on occasion request 'check weight' services to assure their loads are within legal limits;

**WHEREAS**, the only private company providing such 'certified public scale services' may stop providing these services in the coming months;

**WHEREAS**, the Del Norte Solid Waste Management Authority intends to assure that public scale services continue to be available within Del Norte County so that County residents do not need to travel to Humboldt County for certified public scale services;

**WHEREAS**, the Service Rates described in this Ordinance cover costs to annually maintain and certify the public scales at the Del Norte County Transfer Station, to apply for appropriate permits from the Division of Measurement Standards of the California Department of Food and Agriculture, allocated facility costs based on a proportional increase in facility traffic, and training and personnel costs for the Weighmaster and Deputy Weighmasters;

**WHEREAS**, adoption of this Ordinance, completing the permit application process, and training Authority gate attendants to be Deputy Weighmasters must be accomplished for the Authority to be poised to offer public scale services at the Del Norte County Transfer Station, but such Ordinance adoption, permit approval, and training does not necessarily require that such services be offered;

**WHEREAS**, as a public agency, the Authority will be able to comply with the training, permitting, certification, record keeping and reporting requirements for providing public scale services in compliance with the California Business and Professions Code, Division 5, Chapter 7, and the California Code of Regulations Title 4, Division 9, Chapter 9;

**WHEREAS**, establishing service rates for certified truck weights and check weight services will provide an alternative for Del Norte residents who do not choose to travel to Humboldt County for these services;

**WHEREAS**, Rates, Fees and Charges at the Del Norte County Transfer Station are adjusted annually by the adoption of an appropriate Rate Resolution, implementing the CPI-based adjustments established in the Franchise Collection and Transfer Station Operations Agreements, and fees for public scale services should also be adjusted by such Resolution;

**WHEREAS**, this Ordinance must be approved by both the Crescent City Council and the Del Norte County Board of Supervisors before it may be adopted by the Authority Board of Commissioners; and

**WHEREAS**, the Authority does not intend to provide public scale services until and unless such services are no longer offered by any private company located in Del Norte County;

**NOW, THEREFORE, the Board of Commissioners of the Del Norte Solid Waste Management Authority, Del Norte County, California hereby ordains as follows:**

**SECTION 1. Findings.** The Board of Commissioners of the Del Norte Solid Waste Management Authority adopts the recitals stated herein and finds them to be true.

**SECTION 2. Rates.** The rate for a certified weight with certificate will be \$33 per vehicle or trailer, or vehicle and trailer combination. The rate for a check weight will be \$12 per vehicle or trailer or vehicle and trailer combination.

**2.01 Limitations.** This service is only available to any person, entity, or agency that seeks public scale services for vehicles and loads less than 80,000 pounds at the Del Norte County Transfer Station during periods that the Authority Board of Commissioners has determined that such public scale services will be offered.

**2.02 Rate increases or decreases.** These rates may be decreased at any time by resolution of the Board. On July 1 of each year beginning in 2014, this rate may be adjusted in accordance with 80% of the change in Consumer Price Index for all Urban Consumers (CPI) by Resolution of the Board. These rates may be increased at any time in an amount greater than CPI by an amendment to this Ordinance.

**SECTION 3. Definitions.** For purposes of this Ordinance, the following definitions apply to the following words and phrases.

**3.01 Weighmaster.** Any person who weighs, measures, or counts any commodity and issues a statement or memorandum of the weight,

measure or count which is the basis for either the purchase or sale of that commodity or charge for service.

**3.02 Deputy Weighmaster.** Any person the weighmaster designates to perform weighmaster duties on behalf of the weighmaster.

**SECTION 4. Publication.** The Clerk of the Board shall cause this Ordinance, or a summary thereof, along with the names of the commissioners voting for and against said ordinance, to be published once within fifteen (15) days after its passage in a newspaper of general circulation in the County of Del Norte in accordance with Govt. Code Section 36933.

**SECTION 5. Effective Date.** This Ordinance will take effect 30 days after its final adoption.

**SECTION 6. Severability.** If any section, subsection, subdivision, sentence, clause, phrase or portion of this Ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision will not affect the validity of the remaining portions of this Ordinance. The Authority hereby declares that it would have adopted this Ordinance, and each section, subsection, subdivision, sentence, clause, phrase, or portion thereof, irrespective of the fact that any one or more sections, subsections, subdivisions, sentences, clauses, phrases, or portions thereof, are declared invalid or unconstitutional.

**APPROVED** by the Del Norte County Board of Supervisors on the 9<sup>th</sup> day of July, 2013 by the following polled vote:

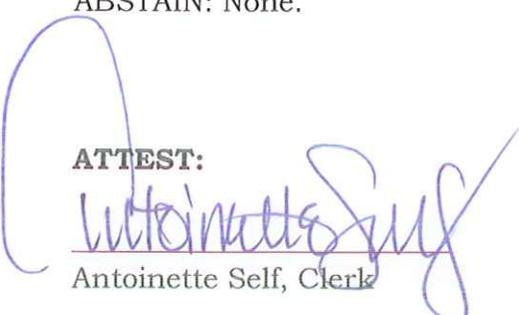
AYES: Supervisors Gitlin, Hemmingsen, Sullivan, McClure and Finigan.

NOES: None.

ABSENT: None.

ABSTAIN: None.

**ATTEST:**

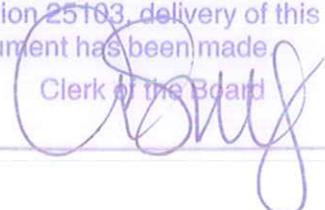
  
Antoinette Self, Clerk

  
Michael Sullivan, Chair

Date: 07/09/13

I hereby certify that according to the provisions of Government Code Section 25103, delivery of this document has been made

Clerk of the Board

By: 

**APPROVED** by the Crescent City Council on the 15TH day of JULY, 2013 by the following polled vote:

AYES: **COUNCIL MEMBERS GASTINEAU, SCHELLONG, HOLLEY, AND MAYOR ENEA**  
NOES: **COUNCIL MEMBER MURRAY**  
ABSENT: **NONE**  
ABSTAIN: **NONE**

  
\_\_\_\_\_  
Richard Enea, Chair

**ATTEST:**  
  
\_\_\_\_\_  
Robin Patch, Clerk

**PASSED AND ADOPTED** by the Board of Commissioners of the Del Norte Solid Waste Management Authority on the \_\_\_ day of \_\_\_\_\_, 2013 by the following polled vote:

AYES:  
NOES:  
ABSENT:  
ABSTAIN:

\_\_\_\_\_  
Richard Enea, Chair

**ATTEST:**

\_\_\_\_\_  
Tedd Ward, Clerk

**APPROVED AS TO FORM:**

\_\_\_\_\_  
Martha D. Rice, General Counsel  
Del Norte Solid Waste Management Authority

# TRANSFER STATION OPERATIONS CHANGE ORDER 18

**CONTRACT:** AGREEMENT FOR OPERATIONS OF A TRANSFER STATION, RECOVERY, TRANSPORTATION AND DISPOSAL OF WASTE FROM THE DEL NORTE COUNTY TRANSFER STATION, DEL NORTE COUNTY, CA

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**CONTRACTOR:** HAMBRO / WASTE SOLUTIONS GROUP  
**AGENCY:** DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY  
**SUBJECT:** MODIFICATION OF PERFORMANCE BOND REQUIREMENTS

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**NATURE OF CHANGES:** This Change Order replaces the last two sentences of Division IV, section 7.1 of the Agreement with the following text:

“Arranger shall procure such bond from underwriters approved by the Director, licensed in California, rated not less than “B++” by A.M. Best Company, Inc., provided that the Authority may waive such requirements. Simultaneously with the annual or other renewal of such bond or securing of substitute bond, Arranger shall file with Authority evidence of such renewal or securing thereof. “

---

**Contract Time:** Remains unchanged.

**Contract Price:** This Change Order makes no changes to the Contract Price.

*This Change Order is hereby approved:*

DATE: \_\_\_\_\_

HAMBRO / Waste Solutions Group:

BY: \_\_\_\_\_  
Wes White, President

ATTEST:

\_\_\_\_\_  
Corporate Secretary

Del Norte Solid Waste Management Authority:

BY: \_\_\_\_\_  
Richard Enea, Chair

ATTEST:

\_\_\_\_\_  
Rick Holley, Secretary

Approved as to form:

BY: \_\_\_\_\_  
Martha D. Rice, General Counsel

State of California  
STATE WATER RESOURCES CONTROL BOARD

2012 2013

**ANNUAL REPORT**  
FOR  
STORM WATER DISCHARGES ASSOCIATED  
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2012 through June 30, 2013

An annual report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. **Retain a copy of the completed Annual Report for your records.**

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers and e-mail addresses of the Regional Board contacts, as well as the Regional Board office addresses can be found at <http://www.swrcb.ca.gov/stormwtr/contact.html>. To find your Regional Board information, match the first digit of your WDID number with the corresponding number that appears in parenthesis on the first line of each Regional Board office.

**GENERAL INFORMATION:**

**A. Facility Information:**

Facility Business Name: Del Norte County Transfer Station  
Physical Address: 1700 State St  
City: Crescent City

Facility WDID No: 1 08I019099

Contact Person: Tedd Ward, M.S.  
e-mail: tedd@recycledeelnorte.ca.gov  
**CA** Zip: 95531 Phone: 707-465-1100

SIC Code(s): 5093-Scrap and Waste Materials,4212-Local Trucking Without Storage,9511-Air and Water Resource and Solid

**B. Facility Operator Information:**

Operator Name: Del Norte Solid Waste Management Authority  
Mailing Address: 1700 State St  
City: Crescent City

Contact Person: Tedd Ward  
e-mail: tedd@recycledeelnorte.ca.gov  
State: CA Zip: 95531 Phone: 707-465-1100

**C. Facility Billing Information:**

Operator Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_

Contact Person: \_\_\_\_\_  
e-mail: \_\_\_\_\_  
State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

6.3



4. For each storm event sampled, did you collect and analyze a sample from each of the facilities' storm water discharge locations?  YES, go to Item E.6  NO
5. Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit?  NO  YES, **attach explanation**
- If "YES", **attach documentation** supporting your determination that two or more drainage areas are substantially identical.
- Date facility's drainage areas were last evaluated \_\_\_\_\_
6. Were all samples collected during the first hour of discharge?  YES  NO, **attach explanation**
7. Was all storm water sampling preceded by three (3) working days without a storm water discharge?  YES  NO, **attach explanation**
8. Were there any discharges of stormwater that had been temporarily stored or contained? (such as from a pond)  YES  NO, go to Item E.10
9. Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above)  YES  NO, **attach explanation**
10. Section B.5. of the General Permit requires you to analyze storm water samples for pH, Total Suspended Solids (TSS), Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and Grease (O&G), other pollutants likely to be present in storm water discharges in significant quantities, and analytical parameters listed in Table D of the General Permit.
- a. Does Table D contain any additional parameters related to your facility's SIC code(s)?  YES  NO, Go to Item E.11
- b. Did you analyze all storm water samples for the applicable parameters listed in Table D?  YES  NO
- c. If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:
- \_\_\_\_\_ In prior sampling years, the parameter(s) have not been detected in significant quantities from two consecutive sampling events. **Attach explanation**
- \_\_\_\_\_ The parameter(s) is not likely to be present in storm water discharges and authorized non-storm water discharges in significant quantities based upon the facility operator's evaluation. **Attach explanation**
- \_\_\_\_\_ Other. **Attach explanation**
11. For each storm event sampled, attach a copy of the laboratory analytical reports and report the sampling and analysis results using **Form 1** or its equivalent. The following must be provided for each sample collected:
- Date and time of sample collection
  - Name and title of sampler.
  - Parameters tested.
  - Name of analytical testing laboratory.
  - Discharge location identification.
  - Testing results.
  - Test methods used.
  - Test detection limits.
  - Date of testing.
  - Copies of the laboratory analytical results.

F. QUARTERLY VISUAL OBSERVATIONS

1. **Authorized Non-Storm Water Discharges**

Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources.

a. Do authorized non-storm water discharges occur at your facility?

YES  NO Go to Item F.2

b. Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. **Attach an explanation for any "NO" answers.** Indicate "N/A" for quarters without any authorized non-storm water discharges.

July -September  YES  NO  N/A      October-December  YES  NO  N/A  
January-March  YES  NO  N/A      April-June  YES  NO  N/A

c. Use **Form 2** to report quarterly visual observations of authorized non-storm water discharges or provide the following information.

- i. name of each authorized non-storm water discharge
- ii. date and time of observation
- iii. source and location of each authorized non-storm water discharge
- iv. characteristics of the discharge at its source and impacted drainage area/discharge location
- v. name, title, and signature of observer
- vi. **any** new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.

2. **Unauthorized Non-Storm Water Discharges**

Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources.

a. Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. **Attach an explanation for any "NO" answers.**

July -September  YES  NO  N/A      October-December  YES  NO  N/A  
January-March  YES  NO  N/A      April-June  YES  NO  N/A

b. Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?

YES  NO Go to item F.2.d

c. Have each of the unauthorized non-storm water discharges been eliminated or permitted?

YES  NO **Attach explanation**

d. Use **Form 3** to report quarterly unauthorized non-storm water discharge visual observations or provide the following information.

- i. name of each unauthorized non-storm water discharge.
- ii. date and time of observation.
- iii. source and location of each unauthorized non-storm water discharge.
- iv. characteristics of the discharge at its source and impacted drainage area/discharge location.
- v. name, title, and signature of observer.
- vi. **any** corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. **Attach an explanation for any "NO" answers.** Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

	YES	NO		YES	NO
October	<input checked="" type="checkbox"/>	<input type="checkbox"/>	February	<input checked="" type="checkbox"/>	<input type="checkbox"/>
November	<input checked="" type="checkbox"/>	<input type="checkbox"/>	March	<input checked="" type="checkbox"/>	<input type="checkbox"/>
December	<input checked="" type="checkbox"/>	<input type="checkbox"/>	April	<input checked="" type="checkbox"/>	<input type="checkbox"/>
January	<input checked="" type="checkbox"/>	<input type="checkbox"/>	May	<input checked="" type="checkbox"/>	<input type="checkbox"/>

2. Report monthly wet season visual observations using **Form 4** or provide the following information.

- date, time, and location of observation
- name and title of observer
- characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed.
- any** new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

**ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)**

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1- June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall be revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the minimum steps necessary to complete a ACSCE. Indicate whether you have performed each step below. **Attach an explanation for any "NO" answers.**

1. Have you inspected all potential pollutant sources and industrial activities areas?  YES  NO  
The following areas should be inspected:

- areas where spills and leaks have occurred during the last year.
- outdoor wash and rinse areas.
- process/manufacturing areas.
- loading, unloading, and transfer areas.
- waste storage/disposal areas.
- dust/particulate generating areas.
- erosion areas.
- building repair, remodeling, and construction
- material storage areas
- vehicle/equipment storage areas
- truck parking and access areas
- rooftop equipment areas
- vehicle fueling/maintenance areas
- non-storm water discharge generating areas

2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas?  YES  NO

3. Have you inspected the entire facility to verify that the SWPPP's site map, is up-to-date? The following site map items should be verified:  YES  NO

- facility boundaries
- outline of all storm water drainage areas
- areas impacted by run-on
- storm water discharges locations
- storm water collection and conveyance system
- structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

4. Have you reviewed all General Permit compliance records generated since the last annual evaluation?  YES  NO

The following records should be reviewed:

- quarterly authorized non-storm water discharge visual observations
- monthly storm water discharge visual observation
- records of spills/leaks and associated clean-up/response activities
- quarterly unauthorized non-storm water discharge visual observations
- Sampling and Analysis records
- preventative maintenance inspection and maintenance records

5. Have you reviewed the major elements of the SWPPP to assure compliance with the General Permit?  YES  NO

The following SWPPP items should be reviewed:

- pollution prevention team
- list of significant materials
- description of potential pollutant sources
- assessment of potential pollutant sources
- identification and description of the BMPs to be implemented for each potential pollutant source

6. Have you reviewed your SWPPP to assure that a) the BMPs are adequate in reducing or preventing pollutants in storm water discharges and authorized non-storm water discharges, and b) the BMPs are being implemented?  YES  NO

The following BMP categories should be reviewed:

- good housekeeping practices
- spill response
- employee training
- erosion control
- quality assurance
- preventative maintenance
- material handling and storage practices
- waste handling/storage
- structural BMPs

7. Has all material handling equipment and equipment needed to implement the SWPPP been inspected?  YES  NO

I. ACSCE EVALUATION REPORT

The facility operator is required to provide an evaluation report that includes:

- identification of personnel performing the evaluation
- the date(s) of the evaluation
- necessary SWPPP revisions
- schedule for implementing SWPPP revisions
- any incidents of non-compliance and the corrective actions taken.

Use **Form 5** to report the results of your evaluation or develop an equivalent form.

J. ACSCE CERTIFICATION

The facility operator is required to certify compliance with the Industrial Activities Storm Water General Permit. To certify compliance, both the SWPPP and Monitoring Program must be up to date and be fully implemented.

Based upon your ACSCE, do you certify compliance with the Industrial Activities Storm Water General Permit?  YES  NO

If you answered "NO" **attach an explanation** to the ACSCE Evaluation Report why you are not in compliance with the Industrial Activities Storm Water General Permit.

**ANNUAL REPORT CERTIFICATION**

I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, 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.

Printed Name: Tedd Ward

Signature: \_\_\_\_\_ Date: 07/09/2013

Title: Program Manager

**ANNUAL REPORT*****DESCRIPTION OF BASIC ANALYTICAL PARAMETERS***

The Industrial Activities Storm Water General Permit (General Permit) requires you to analyze storm water samples for at least four parameters. These are pH, Total Suspended Solids (TSS), Specific Conductance (SC), and Total Organic Carbon (TOC). Oil and Grease (O&G) may be substituted for TOC. In addition, you must monitor for any other pollutants which you believe to be present in your storm water discharge as a result of industrial activity and analytical parameters listed in Table D of the General Permit. There are no numeric limitations for the parameters you test for.

The four parameters which the General Permit requires to be tested are considered *indicator* parameters. In other words, regardless of what type of facility you operate, these parameters are nonspecific and general enough to usually provide some indication whether pollutants are present in your storm water discharge. The following briefly explains what each of these parameters mean:

**pH** is a numeric measure of the hydrogen-ion concentration. The neutral, or acceptable, range is within 6.5 to 8.5. At values less than 6.5, the water is considered acidic; above 8.5 it is considered alkaline or basic. An example of an acidic substance is vinegar, and an alkaline or basic substance is liquid antacid. Pure rainfall tends to have a pH of a little less than 7. There may be sources of materials or industrial activities which could increase or decrease the pH of your storm water discharge. If the pH levels of your storm water discharge are high or low, you should conduct a thorough evaluation of all potential pollutant sources at your site.

**Total Suspended Solids (TSS)** is a measure of the undissolved solids that are present in your storm water discharge. Sources of TSS include sediment from erosion of exposed land, and dirt from impervious (i.e. paved) areas. Sediment by itself can be very toxic to aquatic life because it covers feeding and breeding grounds, and can smother organisms living on the bottom of a water body. Toxic chemicals and other pollutants also adhere to sediment particles. This provides a medium by which toxic or other pollutants end up in our water ways and ultimately in human and aquatic life. TSS levels vary in runoff from undisturbed land. It has been shown that TSS levels increase significantly due to land development.

**Specific Conductance (SC)** is a numerical expression of the ability of the water to carry an electric current. SC can be used to assess the degree of mineralization, salinity, or estimate the total dissolved solids concentration of a water sample. Because of air pollution, most rain water has a SC a little above zero. A high SC could affect the usability of waters for drinking, irrigation, and other commercial or industrial use.

**Total Organic Carbon (TOC)** is a measure of the total organic matter present in water. (All organic matter contains carbon) This test is sensitive and able to detect small concentrations of organic matter. Organic matter is naturally occurring in animals, plants, and man. Organic matter may also be man made (so called synthetic organics). Synthetic organics include pesticides, fuels, solvents, and paints. Natural organic matter utilizes the oxygen in a receiving water to biodegrade. Too much organic matter could place a significant oxygen demand on the water, and possibly impact its quality. Synthetic organics either do not biodegrade or biodegrade very slowly. Synthetic organics are a source of toxic chemicals that can have adverse effects at very low concentrations. Some of these chemicals bioaccumulate in aquatic life. If your levels of TOC are high, you should evaluate all sources of natural or synthetic organics you may use at your site.

**Oil and Grease (O&G)** is a measure of the amount of oil and grease present in your storm water discharge. At very low concentrations, O&G can cause a sheen (that floating "rainbow") on the surface of water (1 qt. of oil can pollute 250,000 gallons of water). O&G can adversely affect aquatic life and create unsightly floating material and film on water, thus making it undrinkable. Sources of O&G include maintenance shops, vehicles, machines and roadways.

If you have any questions regarding whether or not your constituent concentrations are too high, please contact your local Regional Board office. The United States Environmental Protection Agency (USEPA) has published stormwater discharge benchmarks for a number of parameters. These benchmarks may be helpful when evaluating whether additional BMPs are appropriate. These benchmarks can be accessed at our website at <http://www.swrcb.ca.gov>. It is contained in the Sampling and Analysis Reduction Certification.

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See Storm Water Contacts at

[http://www.waterboards.ca.gov/water\\_issues/programs/stormwater/contact.shtml](http://www.waterboards.ca.gov/water_issues/programs/stormwater/contact.shtml)

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## FORM 1 - SAMPLING &amp; ANALYSIS RESULTS

Monitoring Location	Sample Date / Time	Discharge Time	Sample Collector Name, Title	Parameter	Result	Units	Analytical Method	Method Detection Limit	Analyzed By
TS-1	11/20/2012 09:30	08:30	Tedd Ward, Program Manager	Total Organic Carbon (TOC)	=7.2	mg/L	A5310B	1	LAB
TS-1	11/20/2012 09:30	08:30	Tedd Ward, Program Manager	Chemical Oxygen Demand (COD)	=24	mg/L	A5220D	5	LAB
TS-1	11/20/2012 09:30	08:30	Tedd Ward, Program Manager	Electrical Conductivity @ 25 Deg. C	=255	umhos/cm	A2510B	1	SELF
TS-1	11/20/2012 09:30	08:30	Tedd Ward, Program Manager	Oil and Grease	<5	mg/L	E1664A	5	LAB
TS-1	11/20/2012 09:30	08:30	Tedd Ward, Program Manager	pH	=6.08	SU	A4500H	1	SELF
TS-1	11/20/2012 09:30	08:30	Tedd Ward, Program Manager	Total Suspended Solids (TSS)	=22	mg/L	A2540D	1	LAB
TS-2	11/20/2012 10:00	08:30	Tedd Ward, Program Manager	Total Organic Carbon (TOC)	=4.3	mg/L	A5310B	0.3	LAB
TS-2	11/20/2012 10:00	08:30	Tedd Ward, Program Manager	Chemical Oxygen Demand (COD)	=12	mg/L	A5220D	5	LAB
TS-2	11/20/2012 10:00	08:30	Tedd Ward, Program Manager	Electrical Conductivity @ 25 Deg. C	=170.5	umhos/cm	A2510B	1	LAB
TS-2	11/20/2012 10:00	08:30	Tedd Ward, Program Manager	Oil and Grease	<5	mg/L	E1664A	5	LAB
TS-2	11/20/2012 10:00	08:30	Tedd Ward, Program Manager	pH	=6.38	SU	A4500H	1	LAB
TS-2	11/20/2012 10:00	08:30	Tedd Ward, Program Manager	Total Suspended Solids (TSS)	=7.2	mg/L	A2540D	1	LAB
TS-3	11/20/2012 10:30	08:30	Tedd Ward, Program Manager	Total Organic Carbon (TOC)	=5.3	mg/L	A5310B	0.3	LAB
TS-3	11/20/2012 10:30	08:30	Tedd Ward, Program Manager	Chemical Oxygen Demand (COD)	=18	mg/L	A5220D	5	LAB
TS-3	11/20/2012 10:30	08:30	Tedd Ward, Program Manager	Electrical Conductivity @ 25 Deg. C	=71.9	umhos/cm	A2510B	1	SELF
TS-3	11/20/2012 10:30	08:30	Tedd Ward, Program Manager	Oil and Grease	<5	mg/L	E1664A	5	LAB
TS-3	11/20/2012 10:30	08:30	Tedd Ward, Program Manager	pH	=6.29	SU	A4500H	1	SELF
TS-3	11/20/2012 10:30	08:30	Tedd Ward, Program Manager	Total Suspended Solids (TSS)	=2.4	mg/L	A2540D	1	LAB
TS-1	03/05/2013 16:00	15:30	Tedd Ward, Program Manager	Lead, Total	<0.005	mg/L	E200.8	0.005	LAB
TS-1	03/05/2013 16:00	15:30	Tedd Ward, Program Manager	Zinc, Total	=0.027	mg/L	A3111B	0.005	LAB
TS-1	03/05/2013 16:00	15:30	Tedd Ward, Program Manager	Total Organic Carbon (TOC)	=5.8	mg/L	A5310B	0.3	LAB
TS-1	03/05/2013 16:00	15:30	Tedd Ward, Program Manager	Iron, Total	=0.12	mg/L	A3111B	0.015	LAB
TS-1	03/05/2013 16:00	15:30	Tedd Ward, Program Manager	Aluminum, Total	=0	mg/L	A3113B		LAB

TS-1	03/05/2013 16:00	15:30	Tedd Ward, Program Manager	Chemical Oxygen Demand (COD)	=93	mg/L	A5220D	5	LAB
TS-1	03/05/2013 16:00	15:30	Tedd Ward, Program Manager	Electrical Conductivity @ 25 Deg. C	=77.4	umhos/cm	A2510B	1	SELF
TS-1	03/05/2013 16:00	15:30	Tedd Ward, Program Manager	Oil and Grease	<5	mg/L	E1664A	5	LAB
TS-1	03/05/2013 16:00	15:30	Tedd Ward, Program Manager	pH	=6.95	SU	A4500H	1	SELF
TS-1	03/05/2013 16:00	15:30	Tedd Ward, Program Manager	Total Suspended Solids (TSS)	=81	mg/L	A2540D	1	LAB
TS-2	03/05/2013 16:15	15:30	Tedd Ward, Program Manager	Copper, Dissolved	=0.0038	mg/L		0.002	LAB
TS-2	03/05/2013 16:15	15:30	Tedd Ward, Program Manager	Lead, Total	<0.005	mg/L	E200.8	0.005	LAB
TS-2	03/05/2013 16:15	15:30	Tedd Ward, Program Manager	Zinc, Total	=0.013	mg/L	A3111B	0.005	LAB
TS-2	03/05/2013 16:15	15:30	Tedd Ward, Program Manager	Total Organic Carbon (TOC)	=6.2	mg/L	A5310B	0.3	LAB
TS-2	03/05/2013 16:15	15:30	Tedd Ward, Program Manager	Iron, Total	=0.17	mg/L	A3111B	0.015	LAB
TS-2	03/05/2013 16:15	15:30	Tedd Ward, Program Manager	Chemical Oxygen Demand (COD)	=30	mg/L	A5220D	5	LAB
TS-2	03/05/2013 16:15	15:30	Tedd Ward, Program Manager	Electrical Conductivity @ 25 Deg. C	=90.6	umhos/cm	A2510B	1	SELF
TS-2	03/05/2013 16:15	15:30	Tedd Ward, Program Manager	Oil and Grease	>5	mg/L	E1664A	5	LAB
TS-2	03/05/2013 16:15	15:30	Tedd Ward, Program Manager	pH	=6.59	SU	A4500H	1	SELF
TS-2	03/05/2013 16:15	15:30	Tedd Ward, Program Manager	Total Suspended Solids (TSS)	=12	mg/L	A2540D	1	LAB
TS-3	03/05/2013 15:40	15:30	Tedd Ward, Program Manager	Copper, Dissolved	=0.0023	mg/L		0.002	LAB
TS-3	03/05/2013 15:40	15:30	Tedd Ward, Program Manager	Lead, Total	>0.005	mg/L	E200.8	0.005	LAB
TS-3	03/05/2013 15:40	15:30	Tedd Ward, Program Manager	Zinc, Total	=0.0058	mg/L	A3111B	0.005	LAB
TS-3	03/05/2013 15:40	15:30	Tedd Ward, Program Manager	Total Organic Carbon (TOC)	=3.6	mg/L	A5310B	0.3	LAB
TS-3	03/05/2013 15:40	15:30	Tedd Ward, Program Manager	Iron, Total	=0.098	mg/L	A3111B	0.015	LAB
TS-3	03/05/2013 15:40	15:30	Tedd Ward, Program Manager	Chemical Oxygen Demand (COD)	=20	mg/L	A5220D	1	LAB
TS-3	03/05/2013 15:40	15:30	Tedd Ward, Program Manager	Electrical Conductivity @ 25 Deg. C	=85.5	umhos/cm	A2510B	1	SELF
TS-3	03/05/2013 15:40	15:30	Tedd Ward, Program Manager	Oil and Grease	=6.1	mg/L	E1664A	5	LAB
TS-3	03/05/2013 15:40	15:30	Tedd Ward, Program Manager	pH	=6.83	SU	A4500H	1	SELF
TS-3	03/05/2013 15:40	15:30	Tedd Ward, Program Manager	Total Suspended Solids (TSS)	=4.4	mg/L	A2540D	1	LAB

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**FORM 2 - QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED  
NON-STORM WATER DISCHARGES (NSWDs)**

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Any Authorized NSWDs This Quarter?
July - Sept	07/26/2012	Tedd Ward	Program Manager	No

Source and Location of Authorized NSWD	Name of Authorized NSWD	Authorized NSWD Characteristics at Source	Authorized NSWD Characteristics at Drainage Area and Discharge Location	Revised or New BMP's Description and Implementation Date

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Any Authorized NSWDs This Quarter?
Oct - Dec	11/19/2012	Tedd Ward	Program Manager	No

Source and Location of Authorized NSWD	Name of Authorized NSWD	Authorized NSWD Characteristics at Source	Authorized NSWD Characteristics at Drainage Area and Discharge Location	Revised or New BMP's Description and Implementation Date

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Any Authorized NSWDs This Quarter?
Jan - Mar	03/05/2013	Tedd Ward	Program Manager	No

Source and Location of Authorized NSWD	Name of Authorized NSWD	Authorized NSWD Characteristics at Source	Authorized NSWD Characteristics at Drainage Area and Discharge Location	Revised or New BMP's Description and Implementation Date

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Any Authorized NSWDs This Quarter?
Apr - Jun	05/08/2013	Tedd Ward	Program Manager	No

Source and Location of Authorized NSWD	Name of Authorized NSWD	Authorized NSWD Characteristics at Source	Authorized NSWD Characteristics at Drainage Area and Discharge Location	Revised or New BMP's Description and Implementation Date

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**FORM 3 - QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED  
NON-STORM WATER DISCHARGES (NSWDs)**

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Unauthorized NSWDS Observed?	Indications of Prior Unauthorized NSWDS?
July - Sept	07/26/2012 15:00	Tedd Ward	Program Manager	No	No

Source and Location of Unauthorized NSWSD	Name of Unauthorized NSWSD	Unauthorized NSWSD Characteristics at Source	Unauthorized NSWSD Characteristics at Drainage Area and Discharge Location	Corrective Actions to Eliminate Unauthorized NSWSD and Elimination Date

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Unauthorized NSWDS Observed?	Indications of Prior Unauthorized NSWDS?
Oct - Dec	11/19/2012 10:45	Tedd Ward	Program Manager	No	No

Source and Location of Unauthorized NSWSD	Name of Unauthorized NSWSD	Unauthorized NSWSD Characteristics at Source	Unauthorized NSWSD Characteristics at Drainage Area and Discharge Location	Corrective Actions to Eliminate Unauthorized NSWSD and Elimination Date

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Unauthorized NSWDS Observed?	Indications of Prior Unauthorized NSWDS?
Jan - Mar	03/05/2013 14:30	Tedd Ward	Program Manager	No	No

Source and Location of Unauthorized NSWSD	Name of Unauthorized NSWSD	Unauthorized NSWSD Characteristics at Source	Unauthorized NSWSD Characteristics at Drainage Area and Discharge Location	Corrective Actions to Eliminate Unauthorized NSWSD and Elimination Date

Quarter	Date/Time(HH:MM)	Observer Name	Observer Title	Unauthorized NSWDS Observed?	Indications of Prior Unauthorized NSWDS?
Apr - Jun	05/08/2013 15:30	Tedd Ward	Program Manager	No	No

Source and Location of Unauthorized NSWSD	Name of Unauthorized NSWSD	Unauthorized NSWSD Characteristics at Source	Unauthorized NSWSD Characteristics at Drainage Area and Discharge Location	Corrective Actions to Eliminate Unauthorized NSWSD and Elimination Date

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**ANNUAL REPORT****FORM 4 - MONTHLY VISUAL OBSERVATIONS OF  
STORM WATER DISCHARGES**

Observation Date:		10/16/2012 00:00		Observer Name:		Tedd Ward		Observer Title:	Program Manager
Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation		
Drainage Location1	TS-1	14:00	No						
Drainage Location2	TS-2	14:10	No						
Drainage Location3	TS-3	14:20	No						
Observation Date:		11/20/2012 00:00		Observer Name:		Tedd Ward		Observer Title:	Program Manager
Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation		
Drainage Location1	TS-1	09:30	08:30	No					
Drainage Location2	TS-2	10:00	08:30	No					
Drainage Location3	TS-2	10:30	08:30	No					
Observation Date:		12/18/2012 00:00		Observer Name:		Tedd Ward		Observer Title:	Program Manager
Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation		
Drainage Location1	TS-1	15:00		No					
Drainage Location2	TS-2	15:15		No					
Drainage Location3	TS-3	15:30		No					
Observation Date:		01/23/2013 00:00		Observer Name:		Tedd Ward		Observer Title:	Program Manager
Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation		
Drainage Location1	TS-1	16:00	11:00	Yes	Entrance road & recycling area				
Drainage Location2	TS-2	16:15	11:00	Yes	Main Transfer Station paved areas	Floating debris in settling basin.	Windblown packing peanuts	BMPs effective as these floating items remained in this settling basin, and did not flow to TS-3.	
Drainage Location3	TS-3	16:30	11:00	Yes	West end of transfer station, receiving flows from TS-1 and TS-2.				
Observation Date:		02/07/2013 00:00		Observer Name:		Tedd Ward		Observer Title:	Program Manager

	Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation
Drainage Location1	TS-1	16:15		Yes				
Drainage Location2	TS-2	16:00		Yes				
Drainage Location3	TS-3	16:25		Yes				
Observation Date:		03/05/2013 00:00		Observer Name: Tedd Ward		Observer Title:		Program Manager
	Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation
Drainage Location1	TS-1	16:00	15:30	No				
Drainage Location2	TS-2	16:15	15:30	No				
Drainage Location3	TS-3	15:40	15:30	No				
Observation Date:		04/15/2013 00:00		Observer Name: Tedd Ward		Observer Title:		Program Manager
	Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation
Drainage Location1	TS-1	15:00		No				
Drainage Location2	TS-2	15:20		No				
Drainage Location3	TS-3	15:30		No				
Observation Date:		05/08/2013 00:00		Observer Name: Tedd Ward		Observer Title:		Program Manager
	Location Description	Observation Time	Time Discharge Began	Were Pollutants Observed?	Drainage Area Description	Describe Storm Water Discharge Characteristics	Identify and Describe Source(s) of Pollutants	Describe any Revised or New BMPs and Their Date of Implementation
Drainage Location1	TS-1	14:20		No				
Drainage Location2	TS-2	14:40		No				
Drainage Location3	TS-3	14:50		No				

2012-2013

**ANNUAL REPORT**

**FORM 5 - ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION  
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS**

<b>Evaluation Date:</b> 07/09/2013		<b>Inspector Name:</b> Tedd Ward		<b>Title:</b> Program Manager	
<b>Potential Pollutant Source/Industrial Activity Area</b>	<b>Are any BMPs Not Fully Implemented?</b>	<b>Are Additional/Revised BMPs Necessary?</b>	<b>Deficiencies in BMPs or BMP Implementation</b>	<b>Additional/Revised BMPs or Corrective Actions and their date(s) of Implementation</b>	

2012-2013

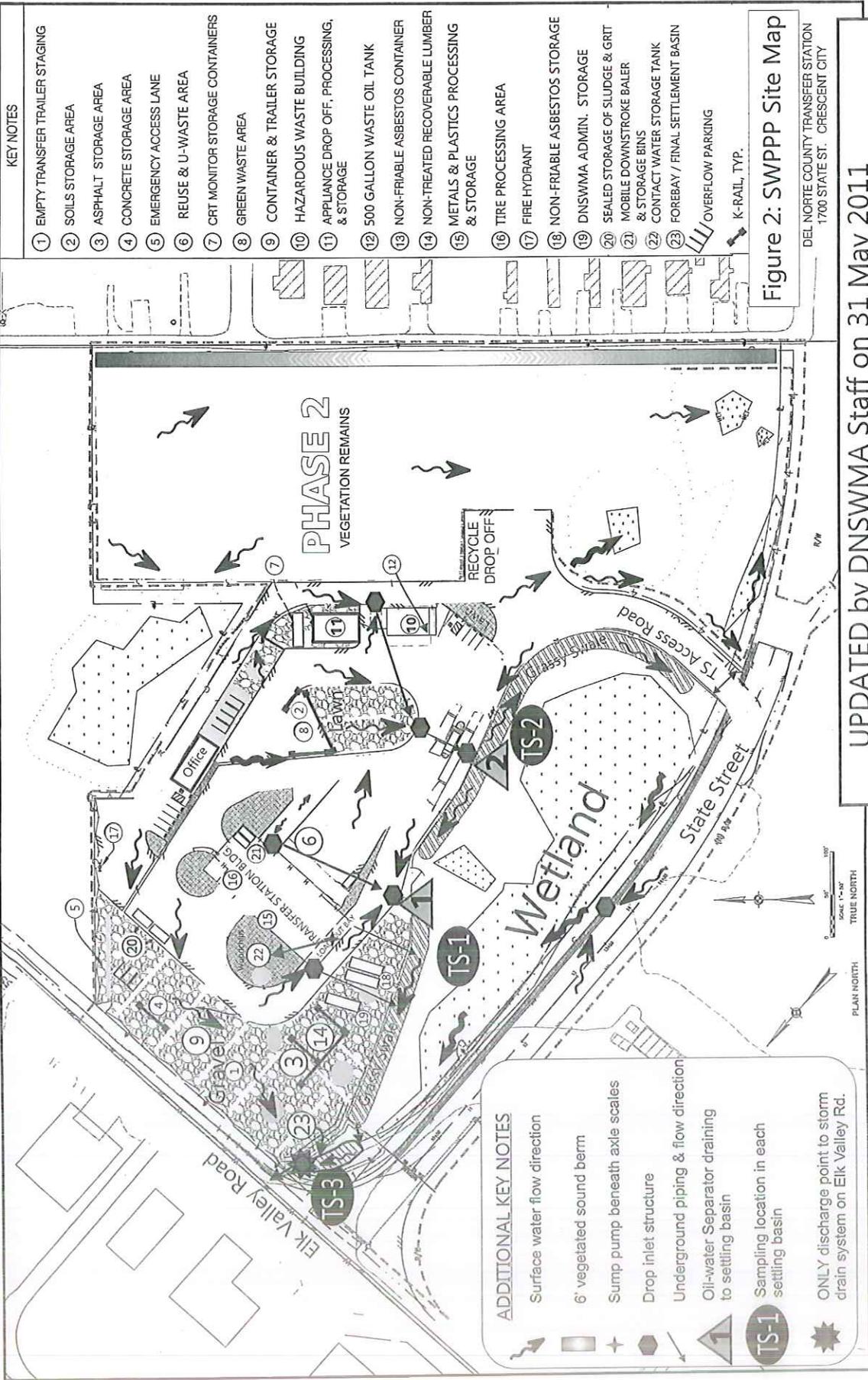
**ANNUAL REPORT**

**EXPLANATIONS SPECIFIED FOR VARIOUS YES/NO QUESTIONS IN THE REPORT**

Explanation Question	Explanation Text
E6	Discharge could have begun overnight.
E9	Though the discharge from TS-3 is from a settling pond, prior storms in Nov-12 did not result in a flow to these settling basins. Also, settling basins had dried up prior to the storm of 05-Mar-13.
G .November	08-Nov-12, 2 PM - No discharge to basin near TS-3 19-Nov-12, 9 AM - No flow to basin near TS-3 19-Nov-12, 5 PM - No flow to basin near TS-3 All observations by Tedd Ward, Program Manager

**Attachments:**

Attachment Title	Description	Date Uploaded	Attachment Type	Doc Part No/Total Parts
Del Norte County Transfer Station Site Map		07/09/2013	Facility/Site Map	1/1



**Meeting to Discuss Alternatives to the  
Del Norte Solid Waste Management Authority**  
Del Norte Solid Waste Management Authority Conference Room  
15 July 2013, 3:30 PM  
**DRAFT MINUTES**

Attending: Commissioner Rick Holley  
Commissioner Roger Gitlin  
Jay Sarina, Del Norte County CAO  
Gene Palazzo, Crescent City Manager  
Andy Larson, Member Del Norte Solid Waste Task Force  
Wes White, General Manager Hambro/WSG  
Joel Wallen, Operations Manager Hambro/WSG  
Tom Sparrow, General Manager Recology Del Norte  
Kevin Hendrick, Director  
Tedd Ward, Program Manager  
Martha Rice, Authority legal counsel

At 3:30 P.M., Director Hendrick started the meeting noting that the City members needed to leave by 4:30 PM.

Commissioner Roger Gitlin handed out his analysis of the per cubic yard rates charged in Curry County (attached), and referenced rates charged in Napa and Lake Counties. He asked if there were any issues with the numbers he presented.

Program Manager Ward indicated that the 550 lbs/cy assumed to be 'average' in Commissioner Gitlin's analysis was actually about what could be expected from a compactor truck, that would be charged as a 'heavy' cubic yard rate, or \$37.35 per ton. Most self-haul customers will have loads with specific weights that are 300 lbs/cy or less. Heavy materials like concrete, asphalt, soils, and metals are accepted at the Del Norte County for a rate that is much less than the rate for mixed wastes.

Ward said that for most customers, every one of the public facilities in the region (i.e. all facilities in Del Norte, and the Transfer Station in Eureka run by the Humboldt Waste Management Authority) were less expensive for self-haulers on a cost per ton basis than every other privately run transfer station in the region. Andy Larson said he believed that privately run facilities would be more efficient than publicly run facilities. Ward responded that if that was the case, these private companies have clearly decided not to share any such savings with their customers.

Tom Sparrow said that because there are many issues complicating a comparison of per cubic yard rates to per ton rates, the most appropriate method to compare rates would be to compare the per cubic yard rates charged by Curry Transfer & Recycling (CTR)

(\$24.90 for a 'light' cubic yard and \$37.35 for a 'heavy' cubic yard) to the per cubic yard rates charged at Gasquet and Klamath Transfer Stations, which is \$19.31 per cubic yard.

Andy Larson presented a list of questions (attached).

Director Hendrick presented information the Authority's revenues and expenses (attached). 60% of system revenue goes to Recology Del Norte (Tom Sparrow noted that their revenues for FY 12/13 is less than the \$4,155,957 reported in their audit for FY11/12), 26% goes to Hambro/WSG, and 14% goes the Authority. Director Hendrick reviewed each page of the financial data he presented.

Commissioner Holley asked how much could be saved on the rates by cutting costs. Director Hendrick said that generally for \$20,000 in savings, there could be approximately \$1 per ton rate reduction if those savings were passed along to the customers.

Tom Sparrow invited Commissioner Holley to meet at Recology Del Norte's office to have a conference call with Recology corporate advisors who could develop spreadsheets to look at different scenarios for potential cost savings.

Commissioner Holley said that based on Director Hendrick's analysis on pages 12 and 13 that the County appears to have the most to lose if the Authority's functions are 'privatized.'

Director Hendrick pointed out that both Hambro/WSG and Recology DN each had provisions in their agreements for a cost-reduction incentive and they were welcome to propose ways to reduce the costs of their services.

This meeting ended at 4:39 PM

Source: Andy Larson

1. What can't Recology do that is being done now?
2. What can't Hambro Waste Solution Group do that is being done now?
3. How many union employees are currently at the Solid Waste authority?
4. Would this alleviate a legal problem?
5. If semi- privatized, could the county take on these employees?
6. Ted said the county didn't do the monitoring job correctly, could this be handled by the county properly?
7. How much of the state paper work and reports can be done by others when oversight by the county is the final step?

Source: Roger Gitlin

## FORMULA TO CONVERT CUBIC YARDS TO TONNAGE.

Cubic yard is 3 yd by 3 yd by 3 yds. According to Curry County, an average cubic yard may weigh a minimum of 300 lbs (assorted garbage trash) to a maximum of 800 lbs (bricks or concrete).

The mean figure of 550 lbs will be utilized for this formula.

Disposal fees range from \$24.90 to \$37.35 cubic yards.

The mean figure is \$31.12.

$\$31.12 \text{ divided by } 550 \text{ lbs} \times 2000 \text{ lbs (one ton)} = \$113.16$

Curry County Disposal is a Private  
Del Norte Solid Waste is government

Staff at the Transfer site at DNSWMA is eight. Four at the Gate, Four at the Office.

Staff at Curry County is:

Hours of Operation Tues-Saturday

Carpenter Rd facility 1.5 employee  
Ridgecreek site 1 employee  
Gold Beach site 1 employee  
Port Orford site 1 employee

Source: Kevin Hendrick  
14 pages

Comparison of Rates Charged for Solid Waste services in the Del Norte region

TRANSFER STATION SELF-HAUL RATES

Location	Humboldt County				Del Norte County			2013/14		Curry County (CTR)	
	Eel River Disposal	HWMMA	Humboldt San.	Humboldt San.	Del Norte Solid Waste Management Authority	Klamath	Crescent City	Gasquet	"Light" CY Equivalent assumed to average 220 lb/cy	"Heavy" CY Equivalent assumed to average 450 lb/cy	
Minimum Charge	12.00	10.00	12.00	12.00	8.75	8.50	7.00	8.50	8.50	9.60	
1x 30 gal can					8.75	8.50		8.50		14.45	
2x 30 gal can					17.50	8.50		8.50		19.30	
3x 30 gal can					26.25	8.50		8.50		24.15	
4 x 30 gal can (up to 140 lbs)					35.00	11.35		11.35		24.90	
"Light" per cubic yard *	19.91	19.25	16.77	26.40	45.00	19.31	15.45	19.31		37.35	
"Heavy" per cubic yard	40.73	39.38	34.30	54.00	45.00	19.31	15.45	19.31			
<b>Cost per Ton Waste</b>	<b>\$ 181.00</b>	<b>\$ 175.00</b>	<b>\$ 152.47</b>	<b>\$ 240.00</b>	<b>\$ 327.27</b>	<b>\$ 140.44</b>	<b>\$ 140.46</b>	<b>\$ 140.44</b>	<b>\$ 226.36</b>	<b>\$ 166.00</b>	
<b>\$ More than DNSWMA</b>	<b>\$ 40.56</b>	<b>\$ 34.56</b>	<b>\$ 12.03</b>	<b>\$ 99.56</b>	<b>\$ 186.84</b>	<b>\$ (0.02)</b>		<b>\$ (0.02)</b>	<b>\$ 85.93</b>	<b>\$ 25.54</b>	
<b>% More than DNSWMA</b>	<b>29%</b>	<b>25%</b>	<b>9%</b>	<b>71%</b>	<b>133%</b>	<b>0%</b>		<b>0%</b>	<b>61%</b>	<b>18%</b>	

\* These are rates are reported to be by Curry Transfer and Recycling. For comparison, roughly equivalent rates were calculated from the per-ton rate for DNSWMA and HWMMA. Similarly, the CTR 'Cost per ton' was derived from their per cubic yard rates, though CTR has no scale in their system for public use. Shaded cells indicate rates which were calculated for comparison, but which are not charged as such within that jurisdiction.

Conversions adapted from Tchobanoglous et al., Integrated Solid Waste Management: Engineering Principles and Management Issues, Table 4-1

Residential rubbish specific weight in lb/cy = 220 pounds/cy average

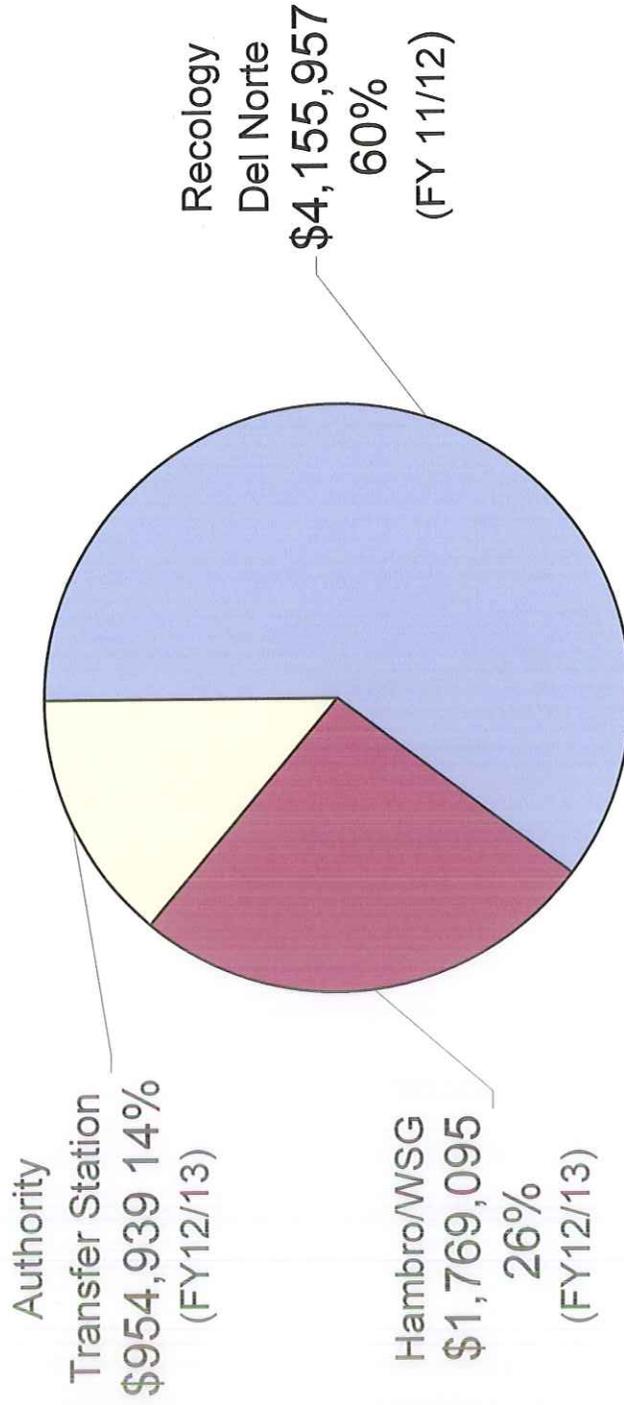
Municipal waste in compactor truck = 500 pounds/cy average

Mixed combustible construction debris = 440 pounds /cy average

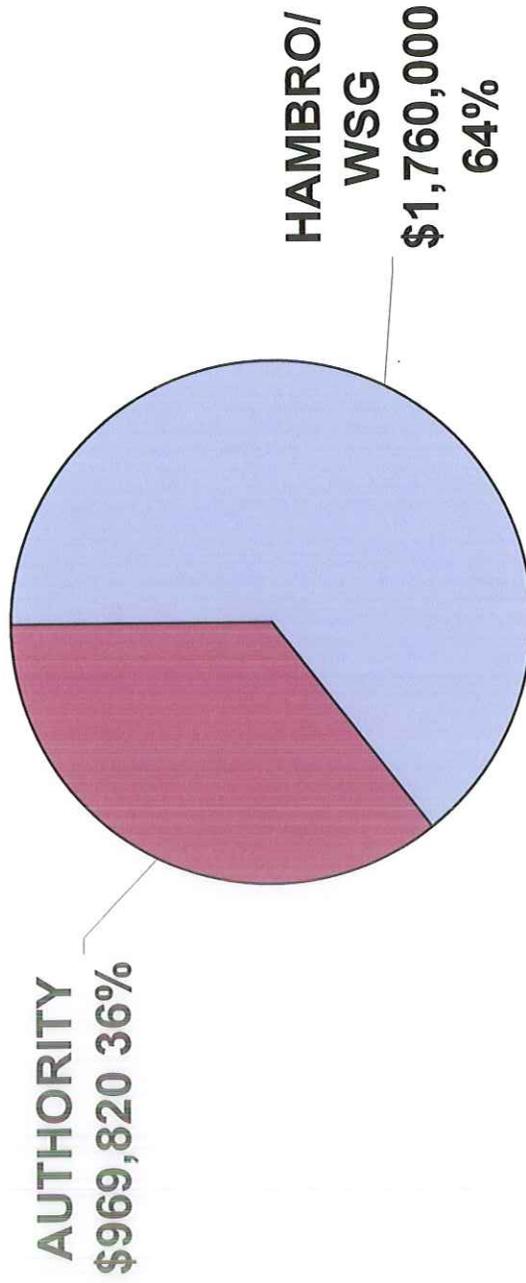
Mixed wastes disposed at Small volume Del Norte transfer stations presumed to have a density of 275 lbs/cy

839-3285 Humboldt Sanitation  
725-5156 Eel River Disposal  
(541) 469-2425 Curry Transfer & Recycling  
(707) 822-0304 Arcata Garbage  
(707) 442-5711 Eureka City Garbage  
(707) 268-8680 Humboldt Waste Management Authority

# SOLID WASTE REVENUE

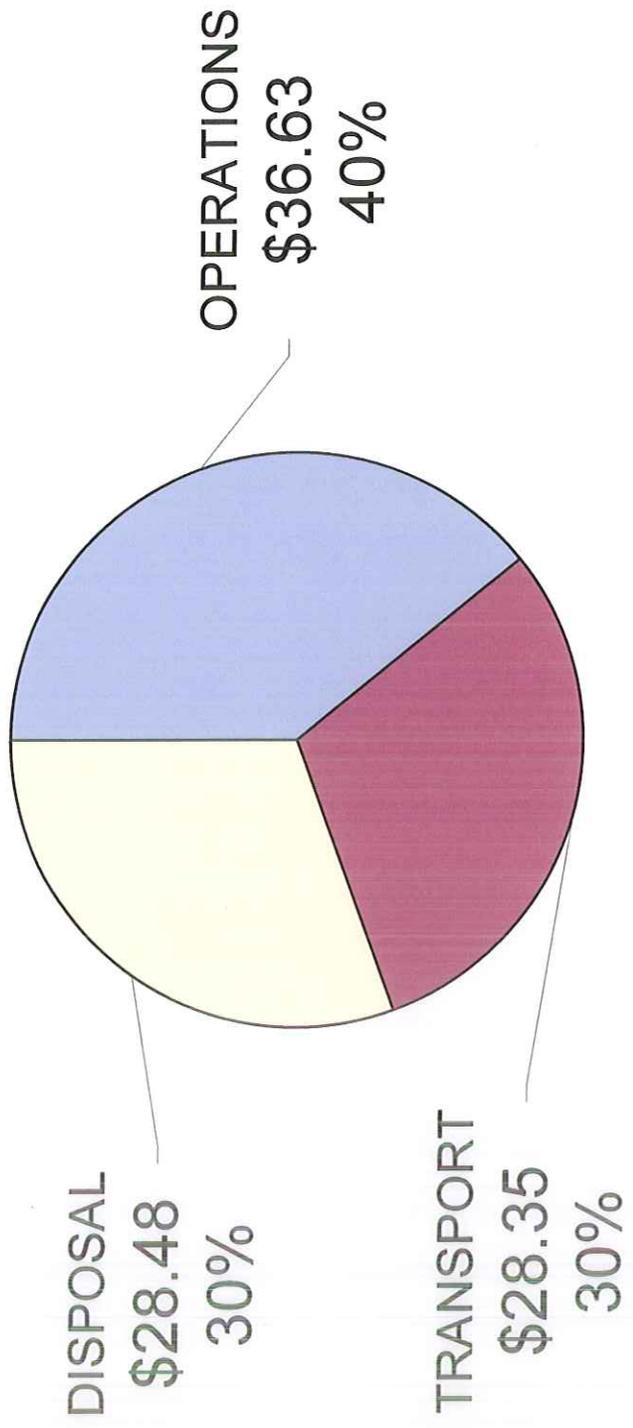


# TRANSFER STATION REVENUE PROJECTED FY 2013/2014



# PAYMENTS TO HAMBROW/WSG

\$93.46 per ton Effective July 2013



Hambro W S G

Authority retains the right to cancel any services contained in this Agreement for convenience at any time at its sole discretion prior to expiration of the term or conclusion of work provided for herein. In the event of such cancellation, Authority shall notify Arranger in writing at least thirty (30) days in advance of cancellation date. Arranger may petition Authority within one hundred eighty (180) days of receiving notification of cancellation for recovery of reasonable costs of fixed obligations and wind-down costs as a direct result of cancelled service. If Authority and Arranger cannot agree on reasonable costs, either party may submit the dispute to binding arbitration pursuant to Division IV section 6 of this Agreement.

**iii. ARRANGER INITIATED CHANGE ORDERS.**

→ Arranger is encouraged to propose Change Orders to the Authority that reduce overall costs to the Authority and/or customers of the Transfer Station. As the Arranger proposes such Change Orders, proposals may include new or modified Operations Fees comprised of operations, transport and disposal/recovery components. Arranger recognizes that it is inappropriate to propose specific modifications to Rates, which are set at the sole discretion of the Authority Board.

Changes to this Agreement or additions to or deletions from the Scope of Work requested by Arranger and approved by Authority, shall be entitled to consideration of payment review and adjustment at the time of approval by Authority. Arranger may request changes or additions to or deletions from the Scope of Work should an event or circumstance arise which materially affects Arranger's ability to perform under this Agreement as a result of one or more of the following:

- Any change in law that materially increases the cost of Arranger's operation.
- Flood, earthquake, other acts of God, war, civil insurrection, riots or other similar catastrophic events beyond the control of Arranger.
- Discovery of concealed or unknown conditions of an unusual nature that materially affect performance of the services encountered at the Transfer Station, which conditions are not ordinarily found to exist or which differ materially from those generally recognized as inherent in work of the character provided for in this Agreement.

Should Arranger request a payment review, Authority shall have the right to review any or all costs, specific to the item or area being discussed, associated with Arranger's services under this Agreement and shall consider any payment adjustments granted pursuant to Division IV, Section 5. of this Agreement.

Arranger must submit its request for change order and schedule of payments, and reasonable cost and operational data in a form and manner specified by the Director at least three (3) months prior to the proposed effective date of any change order and payment adjustment.

5

Requests for change order and payment adjustment may be made at Arranger's discretion, provided that Arranger shall seek no more than one (1) payment adjustment annually. As practical, Authority will strive to have all rate adjustments made effective as of the start of each fiscal year (01 July), though Arranger is advised that the public notice requirements and Authority meeting schedules result in at least a 90 day period between the Authority's approval of new Rates (including Operations Fees) and their implementation. For this reason, the Authority requests that all application for Arranger's Fee Adjustments be received no later than 15 February of each year. Authority may allow for additional special payment review and adjustment request for Transfer Station operations should Authority determine that, due to extraordinary circumstances, such additional payment review and adjustment request is warranted. Should Arranger's Initiated Change Order be rejected by Authority, either party shall have the right to terminate affected services under this agreement within 6 months written notice.

#### iv. BURDEN OF PROOF.

Arranger shall bear the burden of justifying to Authority any requested payment increase, including justification that the requested payment increase is clearly outside those expenses which could have reasonably been anticipated to be compensated by the annual %CPI increases described in Division IV, Section 5.A.i. If Authority determines that Arranger has not met its burden, Arranger may, before seeking arbitration, request another hearing to produce additional evidence. Upon request, Authority may permit said additional hearing. If Authority does not grant the hearing of if Arranger is dissatisfied with the Authority's action taken upon the requested payment increase, then Arranger shall make one of the following binding elections of its remedies:

- (i) Do nothing and be bound by the determination; or
- (ii) Within 15 days of the final action of the Authority's governing board, elect to terminate the complete services that Arranger provides under this Agreement effective nine (9) months from the date that the Arranger's notice is effective; or
- (iii) Within 15 days of the final action of the Authority's governing board, appeal the determination of Authority's governing board to an arbitrator for a binding determination pursuant to Article IV, Section 6 of this Agreement.

Based on evidence Arranger submits, Authority may grant the payment increase, an increase less than that requested by Arranger, or no increase.

#### v. COST REDUCTION INCENTIVE.

Arranger may submit to Authority, without limit as to number or frequency, proposals for modifying plans, specifications or other requirements of the Agreement for the purpose of reducing the total cost of the Agreement. If Authority is interested in such proposals, Arranger and Authority may negotiate a cost reduction incentive program respecting such proposal.

#### R. EQUIPMENT.

##### i. GENERAL.

# Recology

**B. Circumstances that Increase Costs of Operation.** Contractor may apply to Authority for consideration of a special rate adjustment should an event or circumstance arise which is a result of one or more of the following:

- (1) Any change in law that increases the annual cost of Contractor's operation relating to this Franchise Agreement by more than five (5) percent.
- (2) Mandatory changes to operations as provided under Section 5.14.
- (3) Tip fees at the Del Norte County Transfer Station for mixed wastes increase by more than five (5) percent since the Commencement Date, or since the date when the disposal components of rates were most recently adjusted.

**C. Authority Review.** Upon request of a special rate adjustment, Authority will have the right to review any or all costs associated with Contractor's services under this Agreement and may consider any rate adjustments granted pursuant to Section 7.03.

**D. Six Months Notice.** In order to allow Authority adequate time to review a request for a special rate adjustment, to draft appropriate ordinances and to set public hearings as may be necessary, Contractor must submit its request for an adjustment of service rates, and reasonable cost and operational data, in the form and manner specified by the Director, at least six (6) months prior to the proposed effective date of any rate adjustment.

**E. Limit of Requests; Exception.** Requests for special rate review and adjustment may be made at Contractor's discretion, except that Contractor may seek no more than a single annual adjustment to become effective at the time of the Consumer Price Index adjustment. Authority may allow for additional special rate review and adjustment requests should Authority determine that, due to extraordinary circumstances, an additional rate review and adjustment request is warranted.

**F. Substantial Evidence.** Contractor will bear the burden of justifying to Authority by Substantial Evidence any entitlement to a rate increase. If Authority determines that Contractor has not met its burden, Contractor may, before seeking arbitration, request another hearing to produce additional evidence. It is within Authority's discretion whether to schedule the additional hearing.

**G. Authority Decision.** Based on the evidence submitted by Contractor, Authority may grant the rate increase, grant an increase less than that requested, or deny the increase.

 **H. Cost-Reduction Incentive Program.** Contractor may submit to Authority, without limit as to number or frequency, proposals for modifying plans, specifications, or other requirements of the Agreement for the purpose of reducing the total cost of the Agreement. If Authority is interested in a proposal, Contractor and Authority may negotiate a cost-reduction incentive program respecting the proposal.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY FINAL BUDGET 2013/2014**

422-421

Page 1

Approved 6/25/13

<b>EXPENDITURE BUDGET</b>		<b>Approved Budget</b>	
<i>Line Item</i>	<i>Description</i>	<b>2013</b>	<b>2014</b>
<i>Salaries and Benefits</i>			
10010	Full Time Payroll	306,724	
10012	Overtime	1,000	
10015	Temporary Employees	16,600	
10020	Retirement Benefits	84,693	
10030	Employee Benefits	83,243	
10033	Employee Life Insurance	331	
10035	Management Life Insurance	1,295	
10040	Worker's Compensation	26,890	
<b>Total Salaries and Benefits</b>		<b>520,776</b>	
<i>Services and Supplies</i>			
20121	Communications	2,200	
20140	Household Expense	3,500	
20150	Insurance - Office	6,200	
20151	Liability Insurance	7,500	
20152	Vehicle Insurance	1,400	
20155	Liability Insurance	2,573	
20170	Maintenance of Equipment	500	
20171	Maintenance - Vehicles	500	
20175	Maintenance - Computers	500	
20180	Maint - Structures	500	
20200	Memberships	7,500	
20221	Printing	400	
20221-069	Printing - DOC Grant 2011/2012	0	
20221-067	Printing - DOC Grant 2012/2013	400	
20221-XXX	Printing - DOC Grant 2013/2014	400	
20221-074	Printing - Oil Grant 2011/2012	0	
20221-060	Printing - Oil Grant 2012/2013	1000	
20221-XXX	Printing - Oil Grant 2013/2014	1000	
20223	Postage	1,400	
20224	Office Supplies	7,000	
20227	Books & Subscriptions	399	
20230	Prof. Serv. - County/City	10,000	
20231	Prof. Serv.	20,000	

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY FINAL BUDGET 2013/2014**

<b>Page 2</b>			
<b>EXPENDITURE BUDGET</b>			
		<b>Approved</b>	
		<b>Budget</b>	
<b>Line Item</b>	<b>Description</b>	<b>2013</b>	<b>2014</b>
20232	Prof. Serv. - Well Monitoring	30,000	
20233	Audit	9,500	
20234	Legal Counsel	12,000	
20235	Treasurer	4,500	
20236	Security	500	
20237	Credit Card Service Fees	6,822	
20238	TS Collection	28,000	
20239	Transfer Station Operations	1,800,000	
20239-01	Post Closure Maintenance	10,000	
20240	Advertising/Publications	1,000	
20240-074	Advertising - Oil Grant - 2011/2012	0	
20240-060	Advertising - Oil Grant - 2012/2013	3,500	
20240-XXX	Advertising - Oil Grant - 2013/2014	3,500	
20240-069	Advertising - DOC Grant - 2011/2012	0	
20240-067	Advertising - DOC Grant - 2012/2013	2,600	
20240-XXX	Advertising - DOC Grant - 2013/2014	2,600	
20250	Lease of Equipment	3,500	
20251	Lease of Gasquet Transfer Station	700	
20269	Lease Payment - Card Machine	0	
20270	Minor Equipment	4,000	
20280	Delivery Service	600	
20281	Household Hazardous Waste Event	32,000	
20283	Community Clean Up County	5,500	
20285	Special Dept. Expense	2,500	
20285-074	Spec Dept Exp - Oil Grant - 2011/2012	0	
20285-060	Spec Dept Exp - Oil Grant - 2012/2013	6,500	
20285-XXX	Spec Dept Exp - Oil Grant - 2013/2014	6,500	
20285-069	Spec Dept Exp - DOC Grant - 2011/2012	0	
20285-067	Spec Dept Exp - DOC Grant - 2012/2013	6,000	
20285-XXX	Spec Dept Exp - DOC Grant - 2013/2014	6,000	
20286	Cash Over/Under	190	
20287	Recology Other Collections	0	
20288	City Collections	17,500	
20290	Travel	3,000	

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY FINAL BUDGET 2013/2014**

<b>Page 3</b>			
<b>EXPENDITURE BUDGET</b>			
		<b>Approved</b>	
		<b>Budget</b>	
<b>Line Item</b>	<b>Description</b>	<b>2013</b>	<b>2014</b>
20290-069	Travel - DOC Grant 2011/2012	0	
20290-067	Travel - DOC Grant 2012/2013	2,000	
20290-XXX	Travel - DOC Grant 2013/2014	2,000	
20290-074	Travel - Oil Grant - 2011/2012	0	
20290-060	Travel - Oil Grant - 2012/2013	1,000	
20290-XXX	Travel - Oil Grant - 2013/2014	1,000	
20291	Commissioner Expense	0	
20297	Vehicle Fuel	2,100	
20300	Utilities	0	
20301	State Fees	55,415	
<i>Total Services and Supplies</i>		<b>2,147,399</b>	
Fixed Assets			
40620-400	Computer Equipment	0	
40620-300	Resource Recovery Park	0	
40620-500	Other Equipment	0	
40620-600	Vehicle	0	
<i>Total Fixed Assets</i>		0	
<b>Total Operating Expenses</b>		<b>2,668,175</b>	
Other			
70530-199	Interfund Cost Plan	51,639	
70530-025	Transfer Station Loan Payments	203,000	
30490	Depreciation	97,975	
70800	Post Employment Benefits	11,125	
<i>Total Other</i>		<b>363,739</b>	
81000	Contingency	5,000	
<b>TOTAL</b>		<b>3,036,914</b>	

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY FINAL BUDGET 2013/2014**

<b>Page 4</b>			
<b>REVENUE BUDGET</b>			
		<b>Approved</b>	
		<b>Budget</b>	
<i>Line Item</i>	<i>Description</i>	<b>2013</b>	<b>2014</b>
90153	Franchise Fees	244,594	
90210	Code Enforcement Restitution	500	
90300	Interest	1,000	
90650-074	Oil Grant - 2011/2012	0	
90650-060	Oil Grant - 2012/2013	15,000	
90650-XXX	Oil Grant - 2013/2014	15,000	
91004	Authority Service Fees	969,820	
91003	TS Gate Tipping Fees (Operator)	1,760,000	
91121	Misc./Reimbursements	1,000	
91124	Misc. Revenue	0	
91129-069	DOC Grant 2011/2012	0	
91129-067	DOC Grant 2012/2013	15,000	
91129-XXX	DOC Grant 2013/2014	15,000	
<b>Total Revenues</b>		<b>3,036,914</b>	
<b>GRAND TOTAL REVENUES</b>		<b>3,036,914</b>	

## DNSWMA BUDGET 13/14

EXPENSES PAID BY AUTHORITY FY13/14

PAID (A) TO COUNTY OR (B) ON BEHALF OF COUNTY

BUDGET #	COUNTY SERVICES		
10020	RETIREMENT BENEFITS	\$84,693	A
10030	EMPLOYEE BENEFITS	\$83,243	A
10040	WORKERS COMPENSATION	\$26,890	A
20155	LIABILITY INSURANCE	\$2,573	A
70530-199	INTERFUND COST PLAN	\$51,639	A
20230	PROFESSIONAL SERVICES COUNTY	\$10,000	A
	<b>SUBTOTAL COUNTY SERVICES</b>	<b>\$259,038</b>	
	<b>TRANSFER STATION</b>		
70530-025	I-BANK LOAN	\$203,000	A
20150	PROPERTY INSURANCE (Required by I-Bank)	\$6,200	B
20151	LIABILITY INSURANCE	\$2,500	B
	<b>SUBTOTAL TRANSFER STATION</b>	<b>\$211,700</b>	
	<b>LANDFILL EXPENSES</b>		
20151	LANDFILL LIABILITY INSURANCE	\$5,000	B
20231	PROFESSIONAL SERVICES	\$15,000	B
20232	WELL MONITORING LAB ANALYSIS	\$30,000	B
20270	MINOR EQUIPMENT	\$4,000	B
20239-01	POST-CLOSURE MAINTENANCE	\$10,000	B
20280	DELIVERY SERVICE WATER SAMPLES	\$600	B
20301	RWQCB PERMIT FEES	\$55,415	B
	<b>SUBTOTAL LANDFILL EXPENSES</b>	<b>\$120,015</b>	
	<b>KLAMATH/GASQUET TRANSFER STATIONS</b>		
20238	GASQUET/KLAMATH TRANSFER COLLECTION	\$28,000	B
10010	GASQUET/KLAMATH TS STAFF	\$31,637	B
20239*	GASQUET/KLAMATH DISPOSAL	\$58,806	B
20251	LEASE GASQUET TRANSFER STATION	\$700	B
20152	VEHICLE INSURANCE	\$1,400	B
20171	VEHICLE MAINTENANCE	\$500	B
20297	VEHICLE FUEL TO/FROM GASQUET/KLAMATH	\$2,100	B
	<b>SUBTOTAL KLAMATH/GASQUET</b>	<b>\$123,143</b>	

	<b>OTHER SERVICES</b>		
20281	HOUSEHOLD HAZARDOUS WASTE EVENT	\$32,000	B
20283	"FREE" DUMPSTER ROAD YARD	\$5,500	B
20239*	COUNTY "FREE" DISPOSAL AT TS	\$9,500	B
20200	MEMBERSHIP RURAL COUNTIES ESJPA	\$6,000	B
	<b>SUBTOTAL OTHER SERVICES</b>	<b>\$53,000</b>	
30490	<b>DEPRECIATION</b>	<b>\$97,975</b>	B
	<b>TOTAL EXPENSES</b>	<b>\$864,871</b>	
	<b>POST-CLOSURE LIABILITY</b>	<b>\$2,277,801</b>	B
	(WILL RETURN TO COUNTY LEDGER)		
	<b>GRAND TOTAL COST TO COUNTY</b>	<b>\$3,142,672</b>	
	(IF JPA IS DISSOLVED)		
	<b>OPERATING EXPENSES</b>		
10010	PAYROLL	\$306,724	**
10012	OVERTIME	\$1,000	
10015	TEMPORARY EMPLOYEES	\$16,600	
10033/10035	LIFE INSURANCE	\$1,626	
20234	LEGAL COUNSEL	\$12,000	
20233	AUDIT	\$9,500	
20235	TREASURER	\$4,500	
20288	CITY COLLECTIONS	\$17,500	
MISC	OTHER OPERATING EXPENSES	\$45,411	
MISC	NON-PAYROLL GRANT EXPENSES	\$46,000	
70800	POST EMPLOYMENT BENEFITS	\$11,125	
	<b>TOTAL OPERATING EXPENSES</b>	<b>\$471,986</b>	
	* INCLUDED WITH HAMBRO/WSG PAYMENT		
	** INCLUDES STAFF GASQUET/KLAMATH		



# DRAFT

## Del Norte Solid Waste Management Authority Work Priorities Fiscal Year 2013 - 2014

### Legend for symbols used:

-  = Activity set to be completed during FY 2014-2015
-  = Activity to be completed during FY 2013-2014
-  = Activity mandated by State or Federal Law or Authority- adopted plan or contract
-  = Ongoing activity

*This Work Priorities list is a living document, and items may be added as they arise due to further direction from the Authority Board, new legislation or regulation, or agency action.*

Last Updated: 23 July 2013

### Mandated or Obligatory Ongoing or Future Activities:

#### 1. Del Norte County Transfer Station (TS) Facilities and Operations

-   Gather, compile, analyze, and report storm water runoff samples as required under the Industrial Stormwater Permit. After two to three years sample history, consult with RWQCB staff regarding possibly reducing monitoring requirements. (Ongoing)
-   Revise the Transfer and Processing Report as necessary for new recovery activities, and/or management of materials banned from disposal or requiring special handling. (Ongoing)
-    Implement free TakeBack program for architectural coatings at the Del Norte County Transfer Station in coordination with PaintCare, Hambro/WSG, and Clean Harbors. (2013)
-    Procure and manage Household Hazardous Waste (HHW) Collection Event contractor and use Permanent Household Hazardous Waste (HHW) Facility at the Transfer Station

for annual HHW Collection Events, as well as daily recycling of oil, filters, antifreeze, latex paint, televisions and computer monitors, and fluorescent tubes. (Ongoing)

- ☞☆☆ Prepare and submit hazardous waste business plan to the County. (Annual)
- ☞☆☆ Coordinate with the County Department of weights and measures to calibrate and certify the accuracy of the scales used at the Del Norte County Transfer Station. Repair scales as necessary. (Annual)
- ☞☆☆ Prepare and submit the PCI compliance report to assure that measures are in place to protect customer credit and debit card information. (Annual)

## 2. Crescent City Landfill Post-Closure Maintenance

- ☆☆ Continue working with County staff to monitor gas wells, groundwater wells, surface water sampling points, and stormwater sampling points. Authority staff will continue to compile, summarize, and analyze data, prepare and submit required reports to the North Coast Regional Water Quality Control Board as required under Order 97-90 and the Industrial Storm Water permit. (Ongoing through 2035)
- ☆☆ Continue landfill monitoring and maintenance. This includes semi-annual removal of deep-rooting plants and mowing of surface drainage structures, but over the post-closure maintenance period will also likely include repair to slopes, drainage structures, and grading to reduce ponding. (Ongoing through 2035)
- ☞☆ Prepare and submit solid waste facility permit renewal applications every five years or as activities at the landfill change. (Submitted in 2013; ongoing through 2035)
- ☞☆ Prepare and submit landfill gas heat capacity report and other documentation required by the North Coast Air Quality Management District (NCAQMD). The NCAQMD may impose additional requirements based on this report. (Submitted in 2013; ongoing through 2035)
- ☞☆☆ Apply for reduction in the post-closure multiplier and prepare and submit annual estimate of the post-closure financial liability associated with the Crescent City Landfill to CalRecycle (Annual; ongoing through 2035)
- ☞☆☆ Conduct and report on constituent of concern monitoring of landfill groundwater every five years. (Submitted in 2009; ongoing through 2035)
- ☆☆ Conduct and submit aerial survey of the landfill every five years to document any differential settlement. (Submitted in 2011; ongoing through 2035)

### **3. Collections Franchise and Collections System Management**

- 🌟★ Staff, maintain and improve disposal and recycling facilities and services at the Klamath and Gasquet container sites (ongoing).
- ★ Manage current Franchise Collections contract to ensure compliance with contract provisions and Service Standards. (Ongoing)
- ★ Continue to promote workplace recyclables collections with recycling coordinators, the recyclables collection contractor (currently GH Outreach), and processors like Julindra Recycling. (Ongoing)
- 🌟★ Coordinate collection events for Christmas trees, yard debris, household hazardous wastes, and other items or materials as opportunities arise (Ongoing)

### **4. Reuse, Recycling, and Composting**

- 🌟★ Continue, as a rural regional agency, planning, monitoring and reporting programs, activities, and progress on per capita and per employee waste reduction targets under California Integrated Waste Management Act of 1989, as amended, and as administered by the California Department of Resources, Recovery, and Recycling (CalRecycle), including compliance with the California's Mandatory Commercial Recycling Law (AB341). (Ongoing)
- 🌟★ Continue to promote and to make more convenient beverage container recycling using grant funds from the State agency responsible for beverage container recycling. (Annual and ongoing)
- 🌟★ Continue to coordinate, enhance, and promote recycling of used oil, oil filters, and antifreeze using grants from the State agency responsible for oil recycling. (Annual and ongoing)
- 👉🌟★ Establish and report on product stewardship programs for carpeting, paints and architectural coatings (Ongoing)

## 5. Education and Public Outreach

- ★ Prepare outreach materials including print ads, radio ads, posters, public service announcements, posters, handouts and flyers, and collections billing inserts to promote program activities, events, and service changes. (Ongoing)
- ☛★ Prepare and disseminate information promoting the new TakeBack program for paints and architectural coatings at the Del Norte County Transfer Station (2013 and ongoing thereafter).
- ★ Coordinate and support beach, river, and neighborhood cleanup activities. (Ongoing)
- ☛★ Promote waste prevention, reuse, composting and recycling through Fairs around Earth Day and the Del Norte County Fair. (Annual)
- ★ Work cooperatively with the Humboldt Waste Management Authority for regional promotion of waste prevention, reuse, repair, composting, and recycling. (Ongoing)
- ★ Provide timely analysis and/or recommendations for Board actions or letters regarding legislation and/or regulations which pertain to Authority activities or programs.(Ongoing)
- ☛★ Provide support to the Del Norte Solid Waste Task Force to promote waste reduction, reuse, composting, and recycling, and related activities. (Monthly)
- ☛★ Continue to provide regular public Composting workshops as well as other presentations as requested. (Ongoing)
- ☛★ Continue to revise and update written materials and develop new materials promoting waste reduction, reuse, repair, composting, hazard reduction, and proper disposal. (Ongoing)
- ☛★ Update website as needed and upload meeting agenda and minutes. (Ongoing)

## 6. Budgets, Funding, and Staffing

- ☛★ Developing annual budgets, and tracking expenditures and revenues accordingly. (Annual and ongoing)
- ☛★ Preparing and submitting necessary reports related to post-employment retirement

benefits funding. (Annual)

- 🌟★ Work with contractor to complete the annual agency audit report and respond according to recommendations and Board direction. (Annual)
- 🗨️★ Adhere to policies described in a Memorandum of Understanding with the Del Norte Solid Waste Management Authority Employees Association, update as needed. (Ongoing)
- ★ Solicit, negotiate and administer Authority contracts as necessary. (Ongoing)
- 🌟★ Hire and train site attendants and relief workers for the Del Norte County Transfer Station, as well as the Gasquet and Klamath container sites. (Ongoing)
- 🌟★ Training staff through workshops, in-service training, monthly safety meetings, courses, and conferences. (Ongoing)
- ★ Apply for and administer additional grants to support local or regional programs as opportunities arise. (Ongoing)
- ★ Develop partnerships with Del Norte County and Crescent City departments to efficiently deliver services. (Ongoing)

## **7. Recovery Infrastructure and Recycling Market Development**

- 🌟★ Continue to participate in the North Coast Recycling Market Development Zone program to promote recycling market development technical assistance and promotion services and financing opportunities. (Ongoing)
- ★ Through the North Coast Cooperative for Recycling Infrastructure Development (Coop), support expansion of reuse, recycling, and compost processors and manufacturers in Del Norte and Humboldt counties to bolster regional markets for recovered materials. (Ongoing)
- ★ Use the Coop as a forum for reducing overall program costs by sharing resources and personnel, or storing and consolidating recovered materials at public facilities as opportunities arise. (Ongoing)

## 8. Other Responsibilities and Activities

- ☉☆ Provide collection and consolidation services as needed for public home-generated sharps drop-off points. (Ongoing)
- ☉☆ Provide public scale services at the Del Norte County Transfer Station if directed to do so by the Authority Board. (2013?)
- ☆ Preparing, publishing, and distributing agendas (under Chair's direction) and staff reports for monthly Authority meetings. (Monthly)
- ☆ Responding to public, government agency, and tribe requests for information and reports. (Ongoing)
- ☆ Recording and responding to complaints regarding facility operations, collections services, or illegal dumping. (Ongoing)
- ☆ Obtain and maintain equipment, supplies, and software for monitoring, reporting, servicing, outreach, and collection event activities. (Ongoing)
- ☆ Providing professional assessment and analysis of how other jurisdictions have addressed the issues and concerns identified by the Authority Board, including obtaining model requests for proposals, agreements, and/or ordinances. (as needed)

## Priority Discretionary Activities for 2013-2014:

### 1. Del Norte County Transfer Station (TS) Facilities and Operations

- ☆ Work with Hambro/WSG to develop additional resource recovery options that can be integrated into TS operations at a cost which is less than disposal. (Ongoing)
- ☆ Work with Hambro/WSG and Recology Del Norte to assess and evaluate potential impacts associated with changes in Franchise solid waste, recyclables, and yard debris collection services on transfer station operations and revenues. (Ongoing)

### 2. Collections Franchise and Collections System Management

- ☆ Evaluate possible modifications to the Collections Franchise and/or appropriate

ordinances to complement the services at the Del Norte County Transfer Station and to expand, provide incentives, and document recovery. (Ongoing)

- ☞★ Analyze, enhance, expand, develop and support one or more facilities capable of processing locally-generated organic materials for compost or energy production, in Del Norte or one of our adjacent counties. (Ongoing)

### 3. Crescent City Landfill Post-Closure Maintenance

- ☞★ Install, document, and collect water samples from two new wells to be installed at the landfill to possibly demonstrate groundwater flow directions are such that water quality impacts associated with the landfill are unlikely to pose a threat to adjacent residential properties, justifying a reduction in the Threat/Complexity rating for this facility and thereby reduce the annual permit fee for the Waste Discharge Requirements issued by the North Coast Regional Water Quality Control Board (RWQCB). (2013-2014)
- ★ Work with RWQCB in the development and revision of Waste Discharge Requirements and Monitoring and Reporting Program to analyze water historical quality monitoring information with the intent of reducing the expense of water quality monitoring during the post-closure maintenance period, which extends for at least 30 years after completion of phase 2 of landfill closure, until February 2036 (2014 or 2015?).
- ★ Monitor development of laws and regulations pertaining to control of greenhouse and other landfill gas emissions. Research possible actions and funding sources as necessary and appropriate. (Ongoing)
- ☞★ Procure landfill insurance. (2013)

### 4. Education and Public Outreach

- ★ Work with and through the California Product Stewardship Council (CPSC) to promote and establish Extended Producer Responsibility and Take Back programs. (Ongoing)
- ☞★ Advocate for legislative and regulatory initiatives extending producer responsibilities for end of life product management to reduce Authority costs for managing discards - especially hazardous materials, products or materials banned from disposal, or products or materials requiring special handling including sharps, fluorescent tubes, and household batteries. (Ongoing)
- ★ Continue outreach and public-private partnerships in support of Extended Producer Responsibility. (Ongoing)

## 6. Legislation, Ordinances, Plans and Enforcement

- ☛☛☆ Administer Code Enforcement activities through a Code Enforcement Officer and Authority-related hearings through a Hearing Officer until such time as these functions are incorporated into relevant City and County Ordinances. (Ongoing)
- ☛☛☆ Work with County and City Building and Planning Departments to establish forms and processes for Materials Management Plans to be incorporated as appropriate for construction and demolition permits in Del Norte County. (Ongoing)
- ☆ Review, consider and provide appropriate Authority-directed advocacy regarding bills being considered by the California Legislature (Ongoing)
- ☛☆ Revise Household Hazardous Waste Element of the Countywide Integrated Waste Management Plan to phase out local subsidy for HHW, u-wastes, e-wastes, and other products and materials banned by one or more State agencies from mixed waste disposal, in favor of support for producer and consumer financed product stewardship Take Back programs. (2013).
- ☆ Prepare local ordinances, resolutions, and agreements, and modify adopted plans as necessary to enact product stewardship and extended producer responsibility programs in Del Norte County for products which have been banned from mixed waste disposal by one or more State agency, including household hazardous wastes and universal wastes including batteries, sharps, mercury devices, fluorescent tubes, and electronics. (Ongoing)

**DEL NORTE SOLID WASTE  
MANAGEMENT AUTHORITY,  
CALIFORNIA**

**REQUIRED COMMUNICATION AND MANAGEMENT REPORT  
FOR THE YEAR ENDED  
JUNE 30, 2012**

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**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Required Communication And Management Report**  
**For the Year Ended June 30, 2012**

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To the Board of Commissioners  
Del Norte Solid Waste Management Authority  
Crescent City, California

In planning and performing our audit of the financial statements of Del Norte Solid Waste Management Authority as of and for the year ended June 30, 2013, in accordance with auditing standards generally accepted in the United States of America, we considered the Authority's internal control over financial reporting (internal control) as a basis for designing our audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the internal control. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control. We have issued a separate report on Internal Control Over Financial Reporting and on Compliance and Other Matters Required by Government Auditing Standards dated June 7, 2013.

Our consideration of internal control was for the limited purpose described in the first paragraph and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and, therefore, material weaknesses or significant deficiencies may exist that were not identified. However, as discussed below, we identified certain deficiencies in internal control that we consider to be significant deficiencies.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. A material weakness is a deficiency, or combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. We did not identify any deficiencies in internal control that we consider to be material weaknesses.

A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance. We consider deficiency 12-FS-01 and 12-FS-02 in the Authority's internal control to be a significant deficiency. These findings are presented in the separate report referred to above and also in the Schedule of Findings and Recommendations that accompanies this letter.

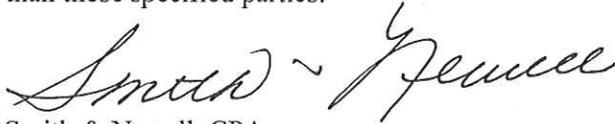
During our audit we noted certain matters involving internal controls and other operational matters that are presented for your consideration in this report. Our comments and recommendations, all of which have been discussed with appropriate members of management, are not intended to be all-inclusive, but rather represent those matters that we considered worthy of your consideration. Our comments and recommendations are submitted as constructive suggestions to assist you in strengthening controls and procedures. We will review the status of these comments during our next audit engagement. These comments and recommendations are presented in the Schedule of Findings and Recommendations that accompanies this letter.

The Authority's written response to the findings identified in our audit have not been subjected to the audit procedures applied in the audit of the financial statements and, accordingly, we express no opinion on them.

To the Board of Commissioners  
Del Norte Solid Waste Management Authority  
Crescent City, California

Following this letter, we have included a report on communications as required by auditing standards generally accepted in the United States of America.

This communication is intended solely for the information and use of management, the Board of Commissioners and others within the entity and is not intended to be and should not be used by anyone other than these specified parties.

A handwritten signature in cursive script, appearing to read "Smith & Newell".

Smith & Newell, CPAs  
Yuba City, California  
June 7, 2013

# DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY

## Required Communication

For the Year Ended June 30, 2012

We have audited the financial statements of the proprietary fund of Del Norte Solid Waste Management Authority for the year ended June 30, 2012. Professional standards require that we provide you with information about our responsibilities under generally accepted auditing standards and Government Auditing Standards, as well as certain information related to the planned scope and timing of our audit. We have communicated such information in our letter to you during the planning of our audit. Professional standards also require that we communicate to you the following information related to our audit.

### SIGNIFICANT AUDIT FINDINGS

#### Qualitative Aspects of Accounting Practices

Management is responsible for the selection and use of appropriate accounting policies. The significant accounting policies used by the Authority are described in the notes to the financial statements. No new accounting policies were adopted and the application of existing policies was not changed during the year ended June 30, 2012. We noted no transactions entered into by the government unit during the year for which there is a lack of authoritative guidance or consensus. All significant transactions have been recognized in the financial statements in the proper period.

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected. The most sensitive estimates affecting the Authority's financial statements are depreciation of capital assets, net OPEB obligation and postclosure liability.

Management's estimate of depreciation is based on estimated or actual historical cost and the useful lives of such assets. We evaluated the key factors and assumptions used to develop the Authority's estimates in determining that they are reasonable in relation to the financial statements taken as a whole.

Certain financial statement disclosures are particularly sensitive because of their significance to financial statement users. The most sensitive disclosures affecting the financial statements were the disclosure of employee retirement plan and post employment benefits other than pensions.

#### Difficulties Encountered in Performing the Audit

We encountered no significant difficulties in dealing with management in performing and completing our audit.

#### Corrected and Uncorrected Misstatements

Professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that are trivial, and communicate them to the appropriate level of management. Management has agreed to correct all such misstatements. In addition, none of the misstatements detected as a result of audit procedures and corrected by management were material, either individually or in the aggregate, to each opinion unit's financial statements taken as a whole.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Required Communication**  
**For the Year Ended June 30, 2012**

**Disagreements with Management**

For purposes of this letter, a disagreement with management is a financial accounting, reporting, or auditing matter, whether or not resolved to our satisfaction, that could be significant to the financial statements or the auditor's report. We are pleased to report that no such disagreements arose during the course of our audit.

**Management Representations**

We have requested certain representations from management that are included in the management representation letter.

**Management Consultations with Other Independent Accountants**

In some cases, management may decide to consult with other accountants about auditing and accounting matters, similar to obtaining a "second opinion" on certain situations. If a consultation involves application of an accounting principle to the governmental unit's financial statements or a determination of the type of auditor's opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

**Other Audit Findings or Issues**

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to retention as the Authority's auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition to our retention.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Management Report**  
**Schedule of Findings and Recommendations**  
**For the Year Ended June 30, 2012**

**12-FS-01 Deficit Net Assets (Significant Deficiency)**

**Condition**

The charges for services were not sufficient to cover post closure liability and debt service requirements and the Authority had a net asset deficit. This is a repeat of a prior year finding.

**Cause**

The Authority's rates charged to customers were not adequate to cover post closure costs and debt service requirements.

**Criteria**

Prudent management of Authority resources requires that charges for services be adequate to cover the cost of providing the service.

**Effect of Condition**

The Authority had inadequate reserves to settle the estimated accrued liabilities.

**Recommendation**

We recommend that the Authority consider all expenses including depreciation and post closure costs when setting rates and adopting the annual budget. We further recommend that the Authority review options to manage this deficit and begin a program to fund the liability.

**Corrective Action Plan**

Transfer Station Rates were increased in July 2011 to provide adequate revenue to fund operating expenses, including depreciation and transfer station finance payments.

During FYE 2012, Post-Closure Liability was reduced from \$2,733,362 to \$2,277,802. This was accomplished by submitting a request to CalRecycle and securing approval for a 5 year reduction in our remaining post-closure maintenance period. In FYE 2013 we have secured further reduction of one year to reflect the remaining 24 years of Post-Closure Maintenance. Current Post-Closure Liability has been reduced an additional \$92,752 to a remaining balance of \$2,226,050.

The Del Norte Solid Waste Management Authority has a post-closure liability funding mechanism, approved by CalRecycle, which allows for a Pledge of Revenue from the transfer station to pay for expenses related to post-closure maintenance. This is a legally approved method for funding post-closure maintenance.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Management Report**  
**Schedule of Findings and Recommendations**  
**For the Year Ended June 30, 2012**

**12-FS-02 Revenue Collections (Significant Deficiency)**

**Condition**

At the time of our fieldwork we noted that approximately \$27,000 collected in July 2012 was reported as collected in June to cover shortages and also included in the accounts receivable accrual for June 30, 2012.

**Cause**

Weak internal controls and lack of review of cash handling procedures allowed inappropriate cash handling to occur.

**Criteria**

Cash collections should be reported intact and in the period in which it is received.

**Effect of Condition**

Accounts receivable and revenues were overstated approximately \$27,000 at June 30, 2012.

**Recommendation**

We recommend that cash collections be deposited intact and in the period in which it was received.

**Corrective Action Plan**

An adjustment was made in October 2012 to write off the difference between cash on hand and collections in prior periods. Deposits are now made whole, intact and in a timely manner.

**12-MC-01 Insurance (Other Matter)**

**Condition**

During our audit we noted the Authority did not have insurance coverage for the landfill. This is a repeat of a prior year finding.

**Cause**

The Authority did not have adequate insurance coverage.

**Criteria**

Insurance coverage should be maintained in order to minimize the risk of loss.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Management Report**  
**Schedule of Findings and Recommendations**  
**For the Year Ended June 30, 2012**

**12-MC-01 Insurance (Other Matter) (Continued)**

**Effect of Condition**

The Authority is exposed to increased loss without insurance coverage for the landfill.

**Recommendation**

We recommend that the Authority Maintain insurance coverage for the landfill to minimize the risk of loss.

**Corrective Action Plan**

Options for landfill liability insurance have been provided to the Authority Board and funds have been budgeted in Fiscal Year 2013/2014, should the Board elect to procure this insurance.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Management Report**  
**Status of Prior Year Recommendations**  
**For the Year Ended June 30, 2012**

<u>Audit Reference</u>	<u>Status of Prior Year Audit Recommendations</u>
<b>11-FS-01</b>	<p><b>Restricted Net Assets</b></p> <p><b>Recommendation</b></p> <p>We recommend that the authority and County of Del Norte review the facility lease and reserve requirements to determine the proper entity to hold the reserve fund and fund the reserve accordingly.</p> <p><b>Status</b></p> <p>The County and Authority are resolving this finding.</p>
<b>11-FS-02</b>	<p><b>Deficit Net Assets</b></p> <p><b>Recommendation</b></p> <p>We recommend that the Authority consider all expenses including depreciation and post closure costs when setting rates and adopting the annual budget. We further recommend that the Authority review options to manage this deficit and begin a program to fund the liability.</p> <p><b>Status</b></p> <p>Not Implemented</p>
<b>11-FS-03</b>	<p><b>Retiree Benefit Payments</b></p> <p><b>Recommendation</b></p> <p>We recommend that the Authority and County of Del Norte review the retiree medical payments and determine the proper entity to pay the retiree benefits.</p> <p><b>Status</b></p> <p>Implemented</p>

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Management Report**  
**Status of Prior Year Recommendations**  
**For the Year Ended June 30, 2012**

<u>Audit Reference</u>	<u>Status of Prior Year Audit Recommendations</u>
11-MC-01	<p><b>Insurance</b></p> <p><b>Recommendation</b></p> <p>We recommend that the Authority maintain insurance coverage for the landfill to minimize the risk of loss.</p> <p><b>Status</b></p> <p>Not Implemented</p>



**DEL NORTE SOLID WASTE  
MANAGEMENT AUTHORITY,  
CALIFORNIA**

**FINANCIAL STATEMENTS  
TOGETHER WITH  
INDEPENDENT AUDITOR'S REPORT  
FOR THE YEAR ENDED  
JUNE 30, 2012**

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**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Annual Financial Report**  
**For the Year Ended June 30, 2012**

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## **INTRODUCTORY SECTION**

- **Members of the Board**

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**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Board of Commissioners**  
**For the Year Ended June 30, 2012**

Kathryn Murray	Commissioner
Martha McClure	Commissioner
Leslie McNamer	Commissioner
Richard Holley	Commissioner
Kelly Schellong	Commissioner
Michael Sullivan	Commissioner
Dona Westfall	Commissioner
Gerry Hemmingsen	Commissioner
David Finnigan	Commissioner
Rich Enea	Commissioner

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## **FINANCIAL SECTION**

- **Independent Auditor's Report**
- **Basic Financial Statements**
- **Required Supplementary Information**

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**INDEPENDENT AUDITOR'S REPORT**

To The Board of Commissioners  
Del Norte Solid Waste Management Authority  
Crescent City, California

We have audited the accompanying financial statements of the proprietary fund of Del Norte Solid Waste Management Authority, Crescent City, California (Authority) as of and for the year ended June 30, 2012, which collectively comprise the Authority's basic financial statements as listed in the table of contents. These financial statements are the responsibility of the Authority's management. Our responsibility is to express opinions on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and the significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinions.

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the proprietary fund of the Authority as of June 30, 2012, and the respective changes in financial position and where applicable, cash flows, thereof for the year then ended in conformity with accounting principles generally accepted in the United States of America.

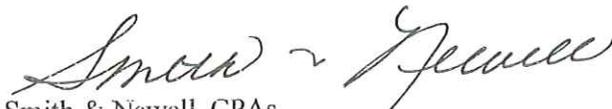
In accordance with Government Auditing Standards, we have also issued our report dated June 7, 2013, on our consideration of the Authority's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with Government Auditing Standards and should be considered in assessing the results of our audit.

To The Board of Commissioners  
Del Norte Solid Waste Management Authority  
Crescent City, California

Accounting principles generally accepted in the United States of America require that the Schedule of Funding Progress as listed in the table of contents be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Management has omitted the Management Discussion and Analysis that accounting principles generally accepted in the United States of America require to be presented to supplement the basic financial statements. Such missing information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic or historical context. Our opinion on the basic financial statements is not affected by this missing information.

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the Authority's financial statements as a whole. The introductory section is presented for purposes of additional analysis and is not a required part of the financial statements. The introductory section has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and, accordingly, we do not express an opinion or provide any assurance on it.



Smith & Newell, CPAs  
Yuba City, California  
June 7, 2013

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## **Basic Financial Statements**

- **Fund Financial Statements**

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**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Statement of Net Assets**  
**June 30, 2012**

	<u>Solid Waste</u>
<b>ASSETS</b>	
Current Assets:	
Cash and investments	\$ 433,232
Accounts receivable	<u>206,422</u>
<b>Total Current Assets</b>	<u>639,654</u>
Noncurrent Assets:	
Capital assets:	
Non-depreciable	493,000
Depreciable, net	<u>2,764,226</u>
<b>Total Noncurrent Assets</b>	<u>3,257,226</u>
<b>Total Assets</b>	<u>3,896,880</u>
<b>LIABILITIES</b>	
Current Liabilities:	
Accounts payable	184,324
Compensated absences payable	41,813
Sublease payable	<u>95,464</u>
<b>Total Current Liabilities</b>	<u>321,601</u>
Noncurrent Liabilities:	
Compensated absences payable	10,517
Sublease payable	2,927,831
Postclosure	2,277,802
Net OPEB obligation	<u>86,006</u>
<b>Total Noncurrent Liabilities</b>	<u>5,302,156</u>
<b>Total Liabilities</b>	<u>5,623,757</u>
<b>NET ASSETS</b>	
Invested in capital assets, net of related debt	531,748
Restricted for debt service	150,000
Unrestricted	<u>(2,408,625)</u>
<b>Total Net Assets</b>	<u>\$ (1,726,877)</u>

The notes to the basic financial statements are an integral part of this statement.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Statement of Revenues, Expenses,**  
**And Changes in Net Assets**  
**For the Year Ended June 30, 2012**

	<u>Solid Waste</u>
<b>OPERATING REVENUES</b>	
Charges for services	\$ 2,753,624
Other revenue	14,127
	<hr/>
<b>Total Operating Revenues</b>	<b>2,767,751</b>
	<hr/>
<b>OPERATING EXPENSES</b>	
Salaries and benefits	567,016
Professional services	267,366
Printing	526
Postage	1,596
Advertising	17,908
Travel	5,235
Office supplies	14,882
Insurance	12,345
Special department expense	22,878
Telephone and utilities	2,382
Maintenance and repairs	12,160
Subscriptions and memberships	7,298
Rent	3,771
Commissioner fees	7,575
Landfill postclosure	(399,340)
Hazardous waste clean-up	39,418
Landfill operation fees	1,847,202
State fees	55,415
Waste collection fees	30,820
Other expenses	22,322
Depreciation	101,364
	<hr/>
<b>Total Operating Expenses</b>	<b>2,640,139</b>
	<hr/>
<b>Operating Income (Loss)</b>	<b>127,612</b>
	<hr/>
<b>NON-OPERATING REVENUES (EXPENSES)</b>	
Interest income	1,173
Intergovernmental revenue	181,486
Franchise fees	257,619
Interest expense	(111,254)
	<hr/>
<b>Total Non-Operating Revenues (Expenses)</b>	<b>329,024</b>
	<hr/>
<b>Change in Net Assets</b>	<b>456,636</b>
	<hr/>
<b>Total Net Assets - Beginning</b>	<b>(2,183,513)</b>
	<hr/>
<b>Total Net Assets - Ending</b>	<b>\$ (1,726,877)</b>
	<hr/> <hr/>

The notes to the basic financial statements are an integral part of this statement.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Statement of Cash Flows**  
**June 30, 2012**

	<u>Solid Waste</u>
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>	
Receipts from customers	\$ 2,868,538
Payment to suppliers	(2,517,161)
Payments to employees	(516,791)
	<u>(165,414)</u>
<b>Net Cash Provided (Used) by Operating Activities</b>	
<b>CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES</b>	
Grants and other receipts	181,486
Franchise fees	257,619
	<u>439,105</u>
<b>Net Cash Provided (Used) by Noncapital Financing Activities</b>	
<b>CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES</b>	
Principal paid on debt	(92,396)
Interest paid on debt	(111,254)
	<u>(203,650)</u>
<b>Net Cash Provided (Used) by Capital and Related Financing Activities</b>	
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>	
Interest and dividends	<u>1,173</u>
<b>Net Cash Provided (Used) by Investing Activities</b>	<u>1,173</u>
<b>Net Increase (Decrease) in Cash and Cash Equivalents</b>	71,214
<b>Balances - Beginning of the Year</b>	<u>362,018</u>
<b>Balances - End of the Year</b>	<u>\$ 433,232</u>
<b>RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED (USED) BY OPERATING ACTIVITIES</b>	
Operating income (loss)	127,612
Adjustments to reconcile operating income to net cash provided by operating activities:	
Depreciation	101,364
Decrease (increase) in:	
Accounts receivable	100,787
Increase (decrease) in:	
Accounts payable	(146,062)
Compensated absences payable	3,125
Post closure	(399,340)
Net OPEB obligation	47,100
	<u>(165,414)</u>
<b>Net Cash Provided (Used) by Operating Activities</b>	

The notes to the basic financial statements are an integral part of this statement.

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## **Basic Financial Statements**

- **Notes to Basic Financial Statements**

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**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

The basic financial statements of Del Norte Solid Waste Management Authority (Authority) have been prepared in conformity with generally accepted accounting principles (GAAP) as applied to governmental agencies. The Governmental Accounting Standards Board (GASB) is the accepted standard setting body for establishing governmental accounting and financial reporting principles. The more significant of the Authority's accounting policies are described below.

**A. Reporting Entity**

The Del Norte Solid Waste Management Authority (Authority) was formed September 21, 1992, and is a Joint Powers Authority between the County of Del Norte and the City of Crescent City.

The purpose of the Authority is to administer the siting, development, construction and operation of solid waste facilities for the collection, reduction, recycling, composting, and disposal of discards generated within the City's and County's territorial boundaries. Under the terms of the Joint Powers Agreement, either the County or the City may withdraw and thereby dissolve the Authority. The County and City then would each reassume their respective responsibilities for waste management matters.

As required by GAAP, these financial statements present the Authority and its component units, entities for which the government is considered to be financially accountable.

Reporting for component units on the Authority's financial statements can be blended or discretely presented. Blended component units are, although legally separate entities, in substance part of the Authority's operations and, therefore, data from these units are combined with data of the primary government. Discretely presented component units, on the other hand, would be reported in a separate column on the government-wide financial statements to emphasize it is legally separate from the government.

Based on the application of the criteria set forth by the Governmental Accounting Standards Board, management has determined that there are no component units of the Authority.

**B. Basis of Presentation**

**Fund Financial Statements**

Fund financial statements of the Authority are organized into one fund, which is considered to be a separate accounting entity. The fund is accounted for by providing a separate set of self-balancing accounts that constitute its assets, liabilities, net assets, revenues, and expenses. The fund of the Authority is organized into the proprietary category and is treated as a major fund. A fund is considered major if it is the primary operating fund or meets the following criteria:

- Total assets, liabilities, revenues or expenses of the individual enterprise fund are at least 10 percent of the corresponding total for all funds of that category or type, and
- Total assets, liabilities, revenues or expenses of the individual enterprise fund are at least 5 percent of the corresponding total for all funds combined.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**B. Basis of Presentation (Continued)**

**Fund Financial Statements (Continued)**

The Authority reports the following major proprietary fund:

- The Solid Waste Fund is an enterprise fund used to account for solid waste management, transfer station operations and landfill closure and post closure.

**C. Basis of Accounting and Measurement Focus**

The proprietary fund financial statements are reported using the economic resources measurement focus and the accrual basis of accounting. Revenues are recorded when earned and expenses are recorded at the time liabilities are incurred, regardless of when the related cash flows take place. Nonexchange transactions, in which the Authority gives (or receives) value without directly receiving (or giving) equal value in exchange, include revenues from grants, entitlements, and donations. Revenues from grants, entitlements and donations are recognized in the fiscal year in which all eligibility requirements have been satisfied.

Private sector standards of accounting and financial reporting issued prior to December 1, 1989, generally are followed for the proprietary fund financial statements to the extent that those standards do not conflict with or contradict guidance of the Governmental Accounting Standards Board (GASB). Governments also have the option of following subsequent private-sector guidance for their business-type activities and enterprise funds, subject to the same limitation. The Authority has elected not to follow subsequent private-sector guidance.

Proprietary funds distinguish operating revenues and expenses from nonoperating items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with a proprietary fund's principal ongoing operations. The principal operating revenues of enterprise funds are charges to customers for services. Operating expenses for enterprise funds include the cost of sales and services, administrative expenses, and depreciation of capital assets. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses.

**D. Cash, Cash Equivalents, and Investments**

Cash and investments consist of cash on hand and cash pooled in the Del Norte County Treasurer's pool. The Authority pools all cash and investments, other than imprest cash, with the County of Del Norte. The Del Norte County Treasury is an external investment pool for the Authority and the Authority is considered an involuntary participant. The Treasurer invests on behalf of most funds of the County and external participants in accordance with the California State Government Code and the County's investment policy.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**D. Cash, Cash Equivalents, and Investments (Continued)**

Participant's equity in the investment pool is determined by the dollar amount of participants deposits, adjusted for withdrawals and distributed investment income. Investment income is determined on the amortized cost basis. Amortized premiums and accreted discounts, accrued interest, and realized gains and losses, net of expenses, are apportioned to pool participants each quarter based on the participant's average daily cash balance at quarter end in relation to the total pool investments. This method differs from the fair value method used to value investments in these financial statements. In these financial statements, the fair value of the Authority's investments in the pool was based on unaudited quoted market values as provided by the County Treasurer. The pool has not provided or obtained any legally binding guarantees during the period to support the value of the investments.

Funds deposited in the Del Norte County Treasurer's pool are invested in accordance with the California State Government Code and the County investment policy. The County has established a treasury oversight committee to monitor and review the management of public funds maintained in the investment pool in accordance with Article 6 Section 27131 of the California Government Code and the County investment policy. The oversight committee and the Board of Supervisors review and approve the investment policy annually. The County Treasurer prepares and submits a comprehensive investment report to the members of the oversight committee and the Board of Supervisors every month. The report covers the type of investments in the pool, maturity dates, par value, actual cost and fair value.

Required disclosure information regarding categorization of investments and other deposit and investment risk disclosures can be found in the County's financial statements. The County of Del Norte's financial statements may be obtained by contacting the County of Del Norte Auditor Controller's office at 981 H Street, Suite 140, Crescent City, CA 95531.

For purposes of the accompanying Statement of Cash Flows, the Authority considers all highly liquid investments with a maturity of three months or less when purchased, and their equity in the County of Del Norte investment pool, to be cash equivalents.

**E. Receivables**

**Accounts Receivable**

Accounts receivable consist mainly of amounts due from customers for services and amounts due from grant activities. These amounts are not shown net of an allowance for doubtful accounts. Any doubtful accounts at June 30, 2012 were not considered material and therefore were not recorded.

**F. Inventory**

Inventory items are recorded as an expense at the time individual items are purchased rather than when consumed. Records are not maintained of inventory and supplies on hand, although these amounts are not considered material.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**G. Capital Assets**

Capital assets, which include property, plant, equipment, and infrastructure are recorded at historical cost or estimated historical cost if actual historical cost is unavailable. The Authority defines capital assets as assets with an individual cost of more than \$2,000 and an estimated useful life in excess of one year. Donated capital assets are valued at their estimated fair value at the date of donation. Major outlays for capital assets and improvements are capitalized as projects are constructed. Interest incurred during the construction phase is not included as part of the capitalized value.

Capital assets used in operations are depreciated or amortized using the straight line method over the estimated useful life. The range of estimated useful lives by type of asset is as follows:

<u>Depreciable Assets</u>	<u>Estimated Lives</u>
Equipment	5-20 years
Structures and improvements	10-20 years

Maintenance and repairs are charged to operations when incurred. Betterments and major improvements which significantly increase values, change capacities or extend useful lives are capitalized. Upon sale or retirement of capital assets, the cost and related accumulated depreciation are removed from the respective accounts and any resulting gain or loss is included in the results of operations.

**H. Compensated Absences**

It is the Authority's policy to permit employees to accumulate a limited amount of earned but unused vacation and sick leave which vests with the employee and will be paid upon separation from Authority service. The liability for these compensated absences is recorded as long-term debt in the financial statements. The current portion of this debt is estimated based on historical trends. In the fund financial statements, proprietary funds report the liability as it is incurred. The Authority includes its share of social security and medicare taxes payable on behalf of the employees in the accrual for compensated absences.

**I. Grant Revenues**

Certain grant revenues are recognized when specific related expenditures have been incurred. In other grant programs, monies are virtually unrestricted as to purpose of expenditure and are only revocable for failure to comply with prescribed compliance requirements. These revenues are recognized at the time of receipt or earlier if susceptible to accrual criteria is met. Cash received prior to incurrence of the related expenditure is recorded as unearned revenue.

**J. Estimates**

The preparation of basic financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 2: STEWARDSHIP, COMPLIANCE, AND ACCOUNTABILITY**

**A. Deficit Net Assets**

The Solid Waste fund had a net asset deficit of \$1,726,877, caused by the post closure liability. This liability is expected to be eliminated in future years through possible surcharges to future landfill users.

**NOTE 3: CASH AND INVESTMENTS**

**A. Financial Statement Presentation**

As of June 30, 2012, the Authority's cash and investments consisted of the following:

Cash:	
Cash on hand	\$ <u>100</u>
Total Cash	<u>100</u>
Investments:	
Del Norte County Treasurer's Pool	<u>433,132</u>
Total Investments	<u>433,132</u>
Total Cash and Investments	<u><u>\$ 433,232</u></u>

**B. Cash**

Custodial Credit Risk for Deposits - Custodial credit risk for deposits is the risk that, in the event of the failure of a depository financial institution, a government will not be able to recover its deposits or collateral securities that are in the possession of an outside party. The Authority and the County comply with the requirements of the California Government Code. Under this code, interest bearing deposits of more than \$250,000 must be collateralized at 105 percent to 150 percent of the value of the deposit to guarantee the safety of the public funds. The Authority does not have a formal investment policy that further limits its deposits.

At year end the Authority had no deposits outside the Del Norte County Treasury.

**C. Investments**

Under the provisions of the County's investment policy and the California Government Code, the County may invest or deposit in the following:

- Bankers' Acceptances
- Commercial Paper
- Local Agency Investment Fund
- Mutual Funds
- Medium Term Corporate Notes
- Money Market Funds
- Negotiable Certificates of Deposit
- Repurchase Agreements/Reverse Repurchase Agreements
- Securities of the Federal Government or its Agencies

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 3: CASH AND INVESTMENTS (CONTINUED)**

**C. Investments (Continued)**

Interest Rate Risk - Interest rate risk is the risk of loss due to the fair value of an investment falling due to interest rates rising. Generally, the longer the maturity of an investment, the greater the sensitivity of its fair value to changes in market interest rates. One of the ways that the County manages its exposure to interest rate risk is by purchasing a combination of shorter term and longer term investments and by timing cash flows from maturities so that a portion of the portfolio is maturing or coming close to maturity evenly over time as necessary to provide the cash flow and liquidity needed for operations. The Authority and County limit its exposure to interest rate risk inherent in its portfolio by limiting individual maturities to 5 years or less.

Credit Risk - Credit risk is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. State law and County investment policy limit investments in commercial paper to the rating of A1 or better by Standard & Poor's or P-1 or better by Moody's Investor's Service; and corporate bonds to the rating of A or better by both Standard & Poor's and Moody's Investor's Service. The Authority does not have a formal investment policy that would further limit its investment choices.

Custodial Credit Risk for Investments- Custodial credit risk for investments is the risk that, in the event of the failure of a depository financial institution, a government will not be able to recover its deposits or collateral securities that are in the possession of an outside party. With respect to investments, custodial credit risk generally applies only to direct investments in marketable securities. Custodial credit risk does not apply to a local government's indirect investments in securities through the use of mutual funds or government investment pools.

Concentration of Credit Risk - Concentration of credit risk is the risk of loss attributed to the magnitude of the Authority's investment in a single issuer of securities. When investments are concentrated in one issuer, this concentration presents a heightened risk of potential loss. State law and the investment policy of the County contain limitations on the amount that can be invested in any one issuer. All investments of the Authority are in the County investment pool which contains a diversification of investments.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 4: CAPITAL ASSETS**

Capital assets activity for the year ended June 30, 2012, was as follows:

	Balance <u>July 1, 2011</u>	<u>Additions</u>	<u>Retirements</u>	Balance <u>June 30, 2012</u>
Capital Assets, Not Being Depreciated:				
Land	\$ 493,000	\$ -	\$ -	\$ 493,000
Total Capital Assets, Not Being Depreciated	<u>493,000</u>	<u>-</u>	<u>-</u>	<u>493,000</u>
Capital Assets, Being Depreciated				
Equipment	158,444	-	-	158,444
Structures and Improvements	<u>3,408,629</u>	<u>-</u>	<u>-</u>	<u>3,408,629</u>
Total Capital Assets, Being Depreciated	<u>3,567,073</u>	<u>-</u>	<u>-</u>	<u>3,567,073</u>
Less Accumulated Depreciation For:				
Equipment	( 141,932)	( 6,868)	-	( 148,800)
Structures and Improvements	<u>( 559,551)</u>	<u>( 94,496)</u>	<u>-</u>	<u>( 654,047)</u>
Total Accumulated Depreciation	<u>( 701,483)</u>	<u>( 101,364)</u>	<u>-</u>	<u>( 802,847)</u>
Total Capital Assets, Being Depreciated, Net	<u>2,865,590</u>	<u>( 101,364)</u>	<u>-</u>	<u>2,764,226</u>
Capital Assets, Net	<u>\$ 3,358,590</u>	<u>(\$ 101,364)</u>	<u>\$ -</u>	<u>\$ 3,257,226</u>

**Depreciation**

Depreciation expense of \$101,364 was charged to operations.

**NOTE 5: LONG-TERM LIABILITIES**

The following is a summary of changes in long-term liabilities for the year ended June 30, 2012:

	Balance <u>July 1, 2011</u>	Additions/ <u>Adjustments</u>	Retirements/ <u>Adjustments</u>	Balance <u>June 30, 2012</u>	Amounts Due Within <u>One Year</u>
Compensated Absences	\$ 49,205	\$ 36,313	\$ 33,188	\$ 52,330	\$ 41,813
Sublease Payable	3,115,691	-	92,396	3,023,295	95,464
Post Closure	2,677,142	-	399,340	2,277,802	-
Net OPEB Obligation	<u>38,906</u>	<u>66,734</u>	<u>19,634</u>	<u>86,006</u>	<u>-</u>
Total Long Term Liabilities	<u>\$ 5,880,944</u>	<u>\$ 103,047</u>	<u>\$ 544,558</u>	<u>\$ 5,439,433</u>	<u>\$ 137,277</u>

Individual issues of debt payable outstanding at June 30, 2012, are as follows:

Sublease Payable:

County of Del Norte Facility Sublease issued May 1, 2004 in the amount of \$3,535,000, due in annual installments of \$78,475 to \$183,454, with an interest rate of 3.32% and maturity of August 1, 2033. The sublease was used to finance the construction of the transfer station

\$ 3,023,295

Total Sublease Payable

\$ 3,023,295

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 5: LONG-TERM LIABILITIES (CONTINUED)**

Following is a schedule of debt payment requirements of the business-type activities, excluding compensated absences that have indefinite maturities, postclosure which is reported in Note 6 and Net OPEB obligation which is reported in Note 9.

Year Ended <u>June 30</u>	<u>Sublease Payable</u>		
	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2013	\$ 95,464	\$ 98,789	\$ 194,253
2014	98,633	95,567	194,200
2015	101,908	92,238	194,146
2016	105,291	88,798	194,089
2017	108,787	85,245	194,032
2018-2022	600,568	368,648	969,216
2023-2027	707,105	260,342	967,447
2028-2032	832,542	132,823	965,365
2033-2037	372,997	12,485	385,482
Total	<u>\$ 3,023,295</u>	<u>\$ 1,234,935</u>	<u>\$ 4,258,230</u>

**NOTE 6: POSTCLOSURE**

The Authority is responsible for one closed solid waste landfill site. State and federal laws and regulations require the Authority to perform certain maintenance and monitoring functions at the landfill site for thirty years after closure. GASB Statement No. 18 requires a portion of these postclosure care costs be reported as an operating expense in each period based on landfill capacity used as of each statement of net assets date. Since the landfill is no longer accepting waste, the entire estimated expense and liability have been reported.

As of June 30, 2012, the Authority's estimated remaining liability for post closure maintenance costs was \$2,277,802. This amount is based on the amount that would be paid if all equipment, facilities, and services required to monitor the landfill were acquired as of June 30, 2012. Actual costs may be higher due to inflation, change in technology, or changes in regulations. For the year ended June 30, 2012, the Authority received authorization from CalRecycle, pursuant to Section 22111, to reduce the landfill postclosure maintenance multiplier from 30 to 25 times the approved annual postclosure maintenance cost estimate. This reduction in the multiplier resulted in an overall reduction in the postclosure liability of \$399,340.

The Authority is required by the California Code of Regulations to provide financial assurance that appropriate resources will be available to finance postclosure costs in the future. The Authority intends to fund the post-closure liability through a pledge of revenue from the new transfer station/materials recovery facility. The Authority expects that future inflation costs will be paid from interest earnings on these annual contributions. However, if interest earnings are inadequate or additional post-closure requirements are determined (due to changes in technology or applicable laws and regulations or modification in design, for example), these costs may need to be funded through surcharges to future landfill users or from future tax revenues.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 7: NET ASSETS**

Net assets are categorized as invested in capital assets (net of related debt), restricted, and unrestricted.

- Invested in capital assets, net of related debt - Consists of capital assets including restricted capital assets, net of accumulated depreciation and reduced by the outstanding balances of any bonds, mortgages, notes or other borrowings that are attributable to the acquisition, construction or improvement of those assets.
- Restricted net assets - Consists of net assets with constraints placed on the use either by (1) external groups such as creditors, grantors, contributors or laws or regulations of other governments; or (2) law through constitutional provisions or enabling legislation.
- Unrestricted net assets - All other net assets that do not meet the definition of “restricted” or “invested in capital assets, net of related debt.”

**Net Asset Flow Assumption**

When a government funds outlays for a particular purpose from both restricted and unrestricted resources, a flow assumption must be made about the order in which the resources are considered to be applied. When both restricted and unrestricted net assets are available, it is considered that restricted resources are used first, followed by the unrestricted resources.

**NOTE 8: EMPLOYEE BENEFITS**

**A. Employee’s Retirement Plan**

The Authority employee’s are covered under the retirement plan of the County of Del Norte.

The County contributes to the California Public Employees Retirement System (PERS), an agent multiple-employer public employee defined benefit plan. PERS provides retirement and disability benefits, annual cost of living adjustments, and death benefits to plan members and beneficiaries. PERS acts as a common investment and administrative agent for participating public entities within the State of California. Benefit provisions and all other requirements are established by statute. Copies of PERS’ annual financial report may be obtained from their executive office – 400 Q Street, Lincoln Plaza East, Sacramento, CA 95811.

Required disclosure information regarding employee’s retirement plan can be found in the County’s audited financial statements.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 9: OTHER POSTEMPLOYMENT BENEFITS (OPEB)**

**Plan Description**

The Authority provides medical and dental benefits for retired employees and their dependents through a self-insured trust administered by Del Norte County. The Authority recently made dental-only coverage available to retirees at age 65 and over. Composite premium rates as of the valuation date are as follows:

Coverage	Employee Only	Employee +1	Employee +2 or more
Medical and Dental	565.61	1,091.62	1,379.41
Post 65 Dental Only	60.00	115.00	165.00

The Authority pays partial premiums for retirees based on years of service with the Authority. For retirees under age 65 with at least 10 years of Authority service (those hired prior to 2007 need only five years of service with the Authority in order to be eligible to receive the discounted premium rates), the Authority covers between 25% and 100% of the premium for the retiree as well as between 25% and 75% of the dependent premiums. Retirees over the age of 65 also receive the benefit of a discounted premium. The following table illustrates the premiums paid by retirees as of the valuation date, with the balance of the premiums paid by the Authority:

Medical Plan Rates Charged to Retiree Effective January 1, 2008						
	Under 65			65 and over		
Years of Service required (if hired after 1/1/2007)	Retiree Only	Retiree & 1 Dep.	Retiree & Family	Retiree Only	Retiree & 1 Dep.	Retiree & Family
Less than 10	Cobra coverage for up to 18 months					
At least 10, but less than 16	\$386.06	\$748.89	\$1,127.20	\$225.00	\$439.91	\$555.15
At least 16, but less than 21	\$257.25	\$559.76	\$875.02	\$200.00	\$414.91	\$530.15
At least 21, but less than 25	\$128.68	\$343.59	\$458.83	\$175.00	\$389.91	\$505.15
At least 25 or more	\$0.00	\$214.91	\$344.50	\$150.00	\$364.91	\$408.15

**Funding Policy**

As required by GASB 45, an actuary will determine the Authority's Annual Required Contributions (ARC) at least once every two fiscal years. The ARC is calculated in accordance with certain parameters, and includes (1) the Normal Cost for one year, and (2) a component for amortization of the total unfunded actuarial accrued liability (UAAL) over a period not to exceed 30 years.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 9: OTHER POSTEMPLOYMENT BENEFITS (OPEB) (CONTINUED)**

**Funding Policy (Continued)**

In accordance with the Authority's budget, the annual required contribution (ARC) is to be funded by (a) making payments for retiree benefit premiums, (b) making payments for retiree claims and (c) prior to fiscal year end, depositing the remaining amount of the ARC, if any, to the OPEB trust. Concurrent with implementing Statement No. 45, the Authority Board of Commissioners passed a resolution to participate in the California Employers Retirees Benefit Trust (CERBT), an irrevocable trust established to fund OPEB. CERBT is administered by CalPERS, and is managed by an appointed board not under the control of the Authority. This Trust is not considered a component unit of the Authority and has been excluded from these financial statements. Separately issued financial statements for CERBT may be obtained from CALPERS at P.O. Box 942709, Sacramento, CA 94229-2709.

**Annual OPEB Cost and Net OPEB Obligation**

The following table shows the components of the Authority's annual OPEB costs for the year, the amount actually contributed to the plan, and changes in the Authority's net OPEB obligation.

	Fiscal Year Ending June 30, 2012
Annual required contribution	\$ 66,578
Interest on net OPEB obligation	2,140
ARC adjustment	(1,984)
Annual OPEB cost	66,734
Contributions Made:	
Pay as you go contribution	19,634
Change in net OPEB obligation	47,100
Net OPEB Obligation - Beginning of Year	38,906
Net OPEB Obligation - End of Year	\$ 86,006

The Authority's Annual OPEB Cost, the percentage of Annual OPEB cost contributed to the plan, and the Net OPEB Obligation for the year ended June 30, 2012 is as follows:

Fiscal Year Ended	Annual OPEB Cost	Actual Contribution	Percentage of Annual OPEB Cost Contributed	Net OPEB Obligation/ (Asset)
June 30, 2010	\$ 44,810	\$ 44,810	100%	\$ 0
June 30, 2011	46,266	7,360	16%	38,906
June 30, 2012	66,734	19,634	29%	86,006

**Funded Status and Funding Progress**

As of July 1, 2010, the most recent actuarial valuation date, the plan was 10.14 percent funded. The actuarial accrued liability for benefits was \$496,317 and the actuarial value of assets was \$50,349, resulting in an unfunded actuarial accrued liability (UAAL) of \$445,968. The covered payroll (annual payroll of employees covered by the plan) was \$304,393, and the ratio of the UAAL to the covered payroll was 68.25 percent.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 9: OTHER POSTEMPLOYMENT BENEFITS (OPEB) (CONTINUED)**

**Funded Status and Funding Progress (Continued)**

Actuarial valuations of an ongoing plan involve estimates of the value of the reported amounts and assumptions about the probability of occurrence of events far into the future. Examples include assumptions about future employment, mortality, and the healthcare cost trend. Actuarial amounts determined regarding the funded status of the plan and the Annual Required Contributions of the Authority are subject to revision at least biannually as actual results are compared with past expectations and new estimates are made about the future. The Schedule of Funding Progress, presented as required supplementary information following the notes to the financial statements, presents multi-year trend information (as it becomes available) that shows whether the actuarial value of plan assets is increasing or decreasing over time relative to the actuarial accrued liabilities for benefits.

**Actuarial Methods and Assumptions**

Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employer and plan members) and include the types of benefits provided at the time of each valuation and the historical pattern of sharing of benefit costs between the employer and plan members to that point. The actuarial methods and assumptions used include techniques that are designed to reduce short-term volatility in actuarial accrued liabilities and the actuarial value of assets, consistent with the long-term perspective of the calculations.

The most recent valuation was performed as of July 1, 2010. The assumptions used for this valuation are in accordance with CalPers' "OPEB Assumption Model", which describes guidelines to be used for retiree healthcare valuations for plans intending to pre-fund benefits through California Employers' Retiree Benefit Trust (CERBT).

In the July 1, 2010 actuarial valuation, the entry age normal actuarial cost method was used. The actuarial assumptions included a 7.50% investment rate of return, payroll increases of 3.25%, and assumed health inflation of 10% graded down to 5.0% over 10 years. The OPEB plan's unfunded actuarial liability is being amortized over a closed, 27-year amortization period and level percent of pay basis beginning in the 2011/12 fiscal year.

**NOTE 10: RISK MANAGEMENT**

The Authority is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters. The Authority purchases coverage from a private insurance company. In addition, they participate in the County liability program. Settled claims have not exceeded this commercial coverage in any of the past three fiscal years. As of June 30, 2012, the Authority did not have landfill insurance.

**NOTE 11: RELATED PARTY TRANSACTIONS**

The Authority has related party transactions with the County of Del Norte. During the year ended June 30, 2012, the Authority paid the County \$2,573 for liability insurance and \$56,000 for health insurance.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Notes to Basic Financial Statements**  
**For the Year Ended June 30, 2012**

**NOTE 12: OTHER INFORMATION**

**A. Subsequent Events**

Management has evaluated events subsequent to June 30, 2012 through June 7, 2013, the date on which the financial statements were available for issuance. Management has determined no subsequent events requiring disclosure have occurred.

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**Required Supplementary Information  
(Unaudited)**

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**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Required Supplementary Information**  
**For the Year Ended June 30, 2012**

**SCHEDULE OF FUNDING PROGRESS - OTHER POSTEMPLOYMENT BENEFITS (OPEB)**

The Schedule of Funding Progress - Other Postemployment Benefits (OPEB) presents a consolidated snapshot of the Authority's ability to meet current and future liabilities with the plan assets. Of particular interest to most is the funded status ratio. This ratio conveys a plan's level of assets to liabilities, an important indicator to determine the financial health of the OPEB plan. The closer the plan is to a 100% funded status, the better position it will be in to meet all of its future liabilities.

The table below shows a one year analysis of the actuarial value of assets as a percentage of the actuarial accrued liability and the unfunded actuarial accrued liability as a percentage of the annual covered payroll as of July 1, 2010 for the Authority Other Postemployment Benefit Plan. As additional years are available, a three year trend analysis will be presented.

Actuarial Valuation Date	Actuarial Value of Assets	Actuarial Accrued Liability (AAL) Entry Age	Unfunded AAL (UAAL)	Funded Ratio	Covered Payroll	UAAL as a Percentage Of Covered Payroll
July 1, 2008	\$ -	\$ 316,913	\$ 316,913	-	\$ 259,431	81.86%
July 1, 2010	50,349	496,317	445,968	10.14%	304,393	68.25%

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## **OTHER REPORT AND SCHEDULES**

- **Other Report**
- **Schedule of Findings and Recommendations**
- **Status of Prior Year Recommendations**

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**INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS**

To the Board of Commissioners  
Del Norte Solid Waste Management Authority  
Crescent City, California

We have audited the financial statements of the proprietary fund of the Del Norte Solid Waste Management Authority, Crescent City, California (Authority), as of and for the year ended June 30, 2012, which collectively comprise the Authority's basic financial statements and have issued our report thereon dated June 7, 2013. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States.

Internal Control Over Financial Reporting

Management of the Authority is responsible for establishing and maintaining effective internal control over financial reporting. In planning and performing our audit, we considered the Authority's internal control over financial reporting as a basis for designing our auditing procedures for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control over financial reporting. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control over financial reporting.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent or detect and correct misstatements on a timely basis. A material weakness is a deficiency, or combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented or detected and corrected on a timely basis.

Our consideration of internal control over financial reporting was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over financial reporting that might be deficiencies, significant deficiencies or material weaknesses. We did not identify any deficiencies in internal control over financial reporting that we consider to be material weaknesses, as defined above. However, we identified certain deficiencies in internal control over financial reporting, described in the accompanying Schedule of Findings and Recommendations that we consider to be significant deficiencies in internal control over financial reporting. (12-FS-01 and 12-FS-02) A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

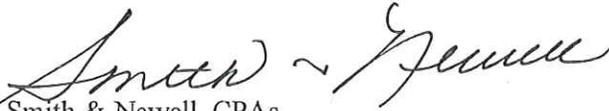
To the Board of Commissioners  
Del Norte Solid Waste Management Authority  
Crescent City, California

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Authority's financial statements are free of material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under Government Auditing Standards.

The Authority's responses to the findings identified in our audit are described in the accompanying Schedule of Findings and Recommendations. We did not audit the Authority's responses, and accordingly, we express no opinion on them.

This report is intended solely for the information and use of management, the Board of Commissioners, others within the entity, and federal awarding agencies and pass through entities and is not intended to be and should not be used by anyone other than these specified parties.



Smith & Newell, CPAs  
Yuba City, California  
June 7, 2013

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Schedule of Findings and Recommendations**  
**For the Year Ended June 30, 2012**

**12-FS-01 Deficit Net Assets (Significant Deficiency)**

**Condition**

The charges for services were not sufficient to cover post closure liability and debt service requirements and the Authority had a net asset deficit. This is a repeat of a prior year finding.

**Cause**

The Authority's rates charged to customers were not adequate to cover post closure costs and debt service requirements.

**Criteria**

Prudent management of Authority resources requires that charges for services be adequate to cover the cost of providing the service.

**Effect of Condition**

The Authority had inadequate reserves to settle the estimated accrued liabilities.

**Recommendation**

We recommend that the Authority consider all expenses including depreciation and post closure costs when setting rates and adopting the annual budget. We further recommend that the Authority review options to manage this deficit and begin a program to fund the liability.

**Corrective Action Plan**

Transfer Station Rates were increased in July 2011 to provide adequate revenue to fund operating expenses, including depreciation and transfer station finance payments.

During FYE 2012, Post-Closure Liability was reduced from \$2,733,362 to \$2,277,802. This was accomplished by submitting a request to CalRecycle and securing approval for a 5 year reduction in our remaining post-closure maintenance period. In FYE 2013 we have secured further reduction of one year to reflect the remaining 24 years of Post-Closure Maintenance. Current Post-Closure Liability has been reduced an additional \$92,752 to a remaining balance of \$2,226,050.

The Del Norte Solid Waste Management Authority has a post-closure liability funding mechanism, approved by CalRecycle, which allows for a Pledge of Revenue from the transfer station to pay for expenses related to post-closure maintenance. This is a legally approved method for funding post-closure maintenance.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Schedule of Findings and Recommendations**  
**For the Year Ended June 30, 2012**

**12-FS-02 Revenue Collections (Significant Deficiency)**

**Condition**

At the time of our fieldwork we noted that approximately \$27,000 collected in July 2012 was reported as collected in June to cover shortages and also included in the accounts receivable accrual for June 30, 2012.

**Cause**

Weak internal controls and lack of review of cash handling procedures allowed inappropriate cash handling to occur.

**Criteria**

Cash collections should be reported intact and in the period in which it is received.

**Effect of Condition**

Accounts receivable and revenues were overstated approximately \$27,000 at June 30, 2012.

**Recommendation**

We recommend that cash collections be deposited intact and in the period in which it was received.

**Corrective Action Plan**

An adjustment was made in October 2012 to write off the difference between cash on hand and collections in prior periods. Deposits are now made whole, intact and in a timely manner.

**DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY**  
**Status of Prior Year Recommendations**  
**For the Year Ended June 30, 2012**

<u>Audit Reference</u>	<u>Status of Prior Year Audit Recommendation</u>
11-FS-01	<p><b>Restricted Net Assets</b></p> <p><b>Recommendation</b></p> <p>We recommend that the Authority and County of Del Norte review the facility lease and reserve requirements to determine the proper entity to hold the reserve fund and fund the reserve accordingly.</p> <p><b>Status</b></p> <p>The County and Authority are resolving this finding.</p>
11-FS-02	<p><b>Deficit Net Assets</b></p> <p><b>Recommendation</b></p> <p>We recommend that the Authority consider all expenses including depreciation and post closure costs when setting rates and adopting the annual budget. We further recommend that the Authority review options to manage this deficit and begin a program to fund the liability.</p> <p><b>Status</b></p> <p>Not Implemented</p>
11-FS-03	<p><b>Retiree Benefit Payments</b></p> <p><b>Recommendation</b></p> <p>We recommend that the Authority and County of Del Norte review the retiree medical payments and determine the proper entity to pay the retiree benefits.</p> <p><b>Status</b></p> <p>Implemented</p>

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