

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, May 28, 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

For more information call 465-1100 or email 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 April 23, 2013 **
- 2.2 Approve payment of invoice from EBA Engineering in the amount of \$5727.50 for Landfill Environmental Services. **
- 2.3 Approve payment of invoice from Smith and Newell in the amount of \$8850 for annual audit for Fiscal Year 2012/2013. **

END CONSENT AGENDA

3. DIRECTORS REPORT

The following agenda items are provided for information only

- 3.1 Treasurer/Controller Report for April 2013 **
- 3.2 Claims approved by Director for April 2013 **
- 3.3 Monthly Cash and Charge Reports for April 2013 **
- 3.4 Earned Revenue Comparisons between FY11/12 and FY12/13 **
- 3.5 Letter to the Department of Resources Recycling and Recovery (CalRecycle) requesting a Reduction in Post-Closure Financial Assurance Multiplier for the Crescent City Landfill. **

END DIRECTORS REPORT

DISCUSSION/ACTION ITEMS

4. LANDFILL POSTCLOSURE

- 4.1 Discussion and possible action regarding the status of landfill repairs. **
- 4.2 Discussion and possible action regarding 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 our Solid Waste Facility Permit for the closed Landfill. **
- 4.3 Discussion and possible action regarding the work plan for the Groundwater Investigation to possibly, permanently reduce the Landfill Threat/Complexity rating from a 1A to a 2A or 2B. **

- 4.4 Discussion and possible action regarding Change Order 1 for the contract with North Coast Laboratories for analytical analysis of water samples from the Crescent City Landfill. **
- 4.5 Discussion and possible action regarding research of the possibility to acquire landfill liability insurance. **

5. COLLECTIONS FRANCHISE

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

6. TRANSFER STATION

- 6.1 Discussion and possible action 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 June 25 for final adoption. **
- 6.2 Discussion and possible action 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. **
- 6.3 Discussion and possible action regarding a request from Wes White, CEO Hambro/WSG for a modification of the contract requirements for a performance bond. **

7. GENERAL SOLID WASTE AUTHORITY MATTERS

- 7.1 Discussion and possible action regarding the proposed FY2013/2014 Budget and schedule a public hearing on June 25 for final adoption. **
- 7.2 Discussion and possible action regarding continued discussion and evaluation of alternatives to the Del Norte Solid Waste Management Authority, including possible withdrawal or privatization. **
- 7.3 Discussion and possible action regarding approval of a Budget Revision to transfer \$2400.00 from Contingency (Budget # 81000) to Professional Services-County (Budget #20230) for landfill repairs. **
- 7.4 Discussion and possible action regarding approval of a contract with Karen Phillips to provide services as Clerk of the Board. **

7.5 Discussion and possible action regarding adoption of Resolution No. 2013-02, A RESOLUTION OF THE COMMISSIONERS OF THE DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY APPOINTING A CLERK OF THE BOARD. **

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

DEL NORTE SOLID WASTE TASK FORCE

Agenda

Thursday, May 9, 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 April 11, 2013 Del Norte Task Force Meeting**
3. Public comment
4. Discussion of May 2, 2013 letter from CalRecycle regarding review and affirmation of the Del Norte Solid Waste Management Authority's compliance with the requirements of the California Integrated Waste Management Act as amended (AB9393) for the period 2007 – 2011.
5. Discussion and continued overview of the status of compliance with the Countywide Integrated Waste Management Plan.
6. 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.
7. Discussion and possible action regarding education and public information regarding waste prevention, reuse, recycling, composting, solid waste, special waste and household hazardous waste in Del Norte County.
8. 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.
9. Adjournment

** indicates attachments

DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY
23 April 2013
Del Norte County Board of Supervisors Chambers

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

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

ABSENT: None

ALSO PRESENT: Tom Sparrow, Recology Del Norte
Wes White, Hambro/WSG
Jordan Kekry, Julindra Reyccling
Eugene Palazzo, Crescent City Manager
Brian McNalley, Del Norte County Environmental Health
Wes Nunn, Del Norte Solid Waste Task Force

The meeting was called to order by Chair Enea at the hour of 3:30 P.M., with all parties present as heretofore designated.

PUBLIC COMMENTS:

The Chair called for public comments at 3:31 P.M. The following people addressed the Board: Richard Miles regarding the selection of the Public Commissioner. The Chair closed public comment at 3:33 P.M.

AUTHORITY COMMISSIONERS, PUBLIC MEMBER 012104

Chair Enea discussed the process that will be used to select the public member. In this order, each of the candidates addressed the Board: Ray Martell, Ralph Dickie, David Alvarez, Mary Wilson, Kevin Fallon, Warren Rehwaldt, and Sally Roy. The Clerk tallied the scores by Commissioners and reported that the top scores, in order, went to: a tie for first place between Martell and Wilson, followed by Fallon, Rehwaldt, Roy, Dickie and Alvarez. The Chair called for public

comment. Director Hendrick addressed the Board regarding voting protocol. Discussion followed.

Commissioner Holley made a motion, seconded by Commissioner Sullivan, to nominate Ray Martell as the Public Member. Commissioner Gitlin nominated Mary Wilson, seconded by Commissioner Sullivan. With Commissioner Holley voting 'No' and all other voting 'Yes,' Mary Wilson was approved to be the Public member of the Del Norte Solid Waste Management Authority, to be considered for ratification by the City Council and the Del Norte County Board of Supervisors.

(The appointment of Mary Wilson as the Public member of the Authority Board was ratified by the Crescent City Council on 06 May 2013, and by the Del Norte County Board of Supervisors on 14 May 2013.)

REPORT FROM THE SOLID WASTE TASK FORCE 200101

Wes Nunn addressed the Board on this item.

CONSENT AGENDA

Minutes, Regular Session, Tuesday March 26, 2013

Approve payment of invoice from EBA Engineering, \$8195.75

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

END OF CONSENT AGENDA

DIRECTOR'S REPORT

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

Treasurer/Controller Report for March 2013
Claims approved by Director for March 2013
Monthly Cash and Charge Reports for March 2013
Earned Revenue Comparisons between FY11/12 and FY12/13

END DIRECTORS REPORT

DISCUSSION / ACTION ITEMS:

LANDFILL POSTCLOSURE INSURANCE 091401

Director Hendrick addressed the Board. Commissioner Sullivan said that David Nelson of Trindell Insurance may have information about the extent of current landfill insurance coverage.

COLLECTIONS FRANCHISE 180510 061801 TRANSFER STATION OPERATIONS CHANGE ORDER 080104 031502

Program Manager Ward discussed Change Order 3 to the contract with Recology Del Norte authorizing the annual CPI adjustment of the collection rates as provided for in the collections franchise. Discussion followed. Program Manager Ward addressed the Board regarding possible approval of Change Order 16 to the contract with Hambro/WSG authorizing the annual CPI adjustment of the transfer station rates as provided for in the transfer station operations agreement.

On a motion by Commissioner Sullivan, seconded by Commissioner Gitlin, Franchise Change Order 3 and Transfer Station Operations Change Order 16, were approved by an unanimous vote.

TRANSFER STATION OPERATIONS – CERTIFIED WEIGHTS 070106 080104

Director Hendrick and Program Manager Ward addressed the Board regarding the potential to provide certified weight services at the transfer station to assist local residents and businesses to comply with the requirements of the California DMV. Discussion followed.

On a motion by Commissioner Gitlin, seconded by Commissioner Holley, the Board unanimously voted to direct staff to:

Draft a Rate Ordinance for providing certified public scale services at the Del Norte County Transfer Station, and introduce this Rate Ordinance for review by the Authority Board at the next regular Authority meeting.

TRANSFER STATION OPERATIONS 080104

Wes White, President of Hambro/WSG addressed the Board. White reported that Snoozie Shavings, Resource Recovery Solutions, and four other companies have effectively shut down. EcoNutrients continues, and will hopefully be sold soon to a private company. White reported that Hambro/WSG continues to perform to the terms of the Transfer Station Operations agreement.

SOLID WASTE AUTHORITY BUDGET 022102

Director Hendrick addressed the Board regarding the status of the Fiscal Year 2012/ 2013 Budget and process for preparing FY2013/2014 Budget. Discussion followed.

Brian McNalley, Tom Sparrow, Jordan Kekry left meeting at 4:55 PM.

SOLID WASTE AUTHORITY PERSONNEL 160504

Director Hendrick addressed the Board regarding the Memorandum of Understanding for Services Between the County of Del Norte and the Del Norte Solid Waste Management Authority and MOU between the Del Norte Solid Waste Management Authority and Authority employees. Discussion followed.

Eugene Palazzo left meeting at 5:05 PM

SOLID WASTE AUTHORITY PERSONNEL, DIRECTOR 160504 & 101501

Director Hendrick addressed the Board regarding the appointment of labor negotiator(s) to meet with the Director regarding contract negotiations. Commissioner Gitlin suggested that the Chair make such appointments. Chair Enea appointed Commissioners Holly and Gitlin, and they will report back on this personnel matter in a future closed session of the Authority Board. Discussion followed.

SOLID WASTE AUTHORITY PERSONNEL 160504

Director Hendrick addressed the Board regarding permanently reducing allocated staffing from 9 to 8. Discussion followed. On a motion by Commissioner Sullivan, seconded by Gitlin, and approved on a unanimous polled vote, the Board permanently reduced allocated (refuse site) attendant staffing from 9 to 8.

GENERAL SOLID WASTE AUTHORITY MATTERS - 101503

Director Hendrick addressed the Board regarding the possibility of hiring a consultant to complete an independent assessment of the performance of the Del Norte Solid Waste Management Authority and complete an analysis of possible improvements or alternatives, such as the City or County withdrawing from the JPA or privatization. Discussion followed. Commissioner Sullivan suggested that the next agenda include an item for which "...staff prepare a

request for proposals for release for the privatization of solid waste, if possible with the sale of the transfer station included in that...with no lapse in service." Director Hendrick said he was unclear on this direction, and was not clear on the issues to be addressed by such an RFP. Commissioner Gitlin expressed an interest in the effects of "...privatization of the process."

Commissioner Sullivan also asked legal counsel what the process would be for one or both entities to pull out of the Del Norte Solid Waste Management Authority Joint Powers Authority. Counsel Rice said that as her firm also serves as legal counsel to the City of Crescent City, she could not provide advice on the results of distribution of assets and liabilities, though perhaps an outside counsel could be hired to do that. In the event of a dissolution of the JPA, however, the respective City and County legal counsels may have differing opinions. Commissioner Holley said that he was interested in an outside consultant review all potential improvements, possibly including privatization. Director Hendrick said he would include these items on the next agenda so the Board may provide more specific direction on these issues.

The Chair called for public comment, and Bill Longsdale addressed the Board to suggest that a potential reform of the JPA be considered, such as how the Local Transportation Commission is operated with a single Director, and all services contracted out.

RATES, COLLECTION FRANCHISE 061801 & TRANSFER STATION OPERATIONS 031502

Program Manager Ward addressed the Board regarding possible adoption of Resolution 2013-01 enacting the CPI increases as required in contract with Hambro and Recology. On a motion by Commissioner Sullivan, seconded by Commissioner Gitlin, Resolution 2013-01 was adopted by a unanimous polled vote.

CLOSED SESSION will be held for discussion and possible action regarding:

- 1) THREAT TO PUBLIC SERVICES OR FACILITIES (Gov Code 54957(a)
) Consultation with Legal Counsel;
- 2) CONFERENCE WITH LABOR NEGOTIATOR (Gov Code Section 54957.6) Agency Representative: Kevin Hendrick; Employee Organization: Mid-Management (Ward Valdez);
- 3) CONFERENCE WITH LABOR NEGOTIATOR (Gov Code Section 54957.6) Agency Representative: TBD; Employee Organization: Management (Hendrick)

The Del Norte Solid Waste Management Authority adjourned at the hour of 6:30 P.M., to reconvene in Regular Session, on May 28, 2013, at the hour of 3:30 P.M., at the Board of Supervisors Chambers, Flynn Center, 981 "H" Street, Crescent City, California.

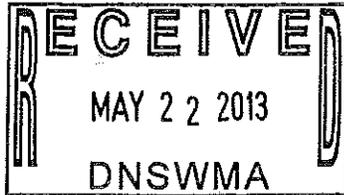
_____ Date / /
Rich Enea, Chair
Del Norte Solid Waste Management Authority

ATTEST:

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

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

INVOICE



Invoice #: 24973
 Date: 05/03/13
 Customer PO:



Balance this Invoice: 5,727.50
 Past Due: 0.00
Now Due and Payable: 5,727.50

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 Eljumaaily 707 544-0784
 admin@ebagroup.com

For Period: 04/06/13 05/03/13
 Job#: 13-1902 Crescent City Landfill Environmental Services

Task: A1 Closure Cost & Documentation Review

Direct Labor			
Senior Geologist	6.00 @ 125.00		750.00
Principal Engineer	1.00 @ 165.00		165.00
Design Draftperson II	3.00 @ 90.00		270.00
Total Direct Labor			<u>1,185.00</u>
Total Task A1 Closure Cost & Documentation Review			<u>1,185.00</u>

Task: A2 Produce Non-water Release Corrective Action Estimate

Direct Labor			
Senior Geologist	5.50 @ 125.00		687.50
Total Direct Labor			<u>687.50</u>
Total Task A2 Produce Non-water Release Corrective Action Estimate			<u>687.50</u>

Task: A3 Submit Draft Five Year Review Application

Direct Labor			
Senior Geologist	8.75 @ 125.00		1,093.75
Total Direct Labor			<u>1,093.75</u>
Total Task A3 Submit Draft Five Year Review Application			<u>1,093.75</u>

Task: B1 Revise the Waste In Place Estimate

Direct Labor			
Principal Engineer	1.00 @ 165.00		165.00
Design Draftperson II	13.75 @ 90.00		1,237.50
Total Direct Labor			<u>1,402.50</u>
Total Task B1 Revise the Waste In Place Estimate			<u>1,402.50</u>

Task: B2 Landfill and Gas Monitoring Data Review

Direct Labor

2.2

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

INVOICE



Invoice #: 24973
Date: 05/03/13
Customer PO:

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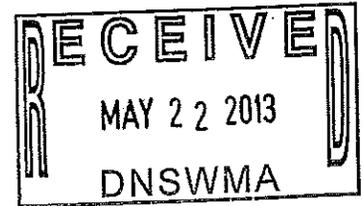
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Del Norte Solid Waste Mgt. Authority
Ted Ward
1700 State Street
Crescent City, Ca 95531

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contact Nazar Eljumbailly 707 544-0784
admin@ebagroup.com

For Period: 04/06/13 05/03/13
Job#: 13-1902 Crescent City Landfill Environmental Services

Senior Geologist	9.25 @ 125.00	1,156.25
Design Draftperson II	2.25 @ 90.00	202.50
Total Direct Labor		<u>1,358.75</u>
Total Task B2 Landfill and Gas Monitoring Data Review		1,358.75
<hr/>		
TOTAL INVOICE		5,727.50

May 14, 2013



Del Norte Solid Waste
1700 State Street
Crescent City, CA 95531

BILLING FOR SERVICES

Audit and preparation of audited financial statements for the
fiscal year ended June 30, 2012.

Total Due \$ 8,850

2.3

Solid Waste
Balance Sheet
 April 30, 2013

Unaudited

ASSETS

422 010 00000	Cash Solid Waste	629,694.53
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>3,891,732.88</u></u>

LIABILITIES AND FUND EQUITY

422 010 05103	A/P Services	126.94
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	2,195,748.59
	Expenditure	(2,041,599.09)
	Total Liabilities and Fund Equity	<u><u>3,891,732.88</u></u>

3.1.

Solid Waste

Statement of Revenues and Expenditures
10 Months Ended 4/30/2013

	CURRENT MONTH ACTUAL	YTD ACTUAL	YTD BUDGET	YTD VARIANCE	% EXPENDED
Revenues:					
422-421-90153 Franchise Fees	20,547.00	181,691.00	257,000.00	(75,309.00)	70.70%
422-421-90210 Code Enforcement	0.00	0.00	1,000.00	(1,000.00)	0.00%
422-421-90300 Interest - Solid Waste	326.84	907.87	2,000.00	(1,092.13)	45.39%
422-421-91003 Gate Tipping Fees	141,561.91	1,297,639.63	1,760,000.00	(462,360.37)	73.73%
422-421-91004 Authority Service Fees	76,144.02	697,719.11	912,246.00	(214,526.89)	76.48%
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	15,000.00	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	102.64	1,704.91	0.00	1,704.91	0.00%
422-421-91004-099 DNSWMA Tipping Fees - Prior Yr	51.63	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%
Total Revenues	253,734.04	2,195,748.59	2,987,101.00	(791,352.41)	73.51%
Expenses:					
422-421-10010 Payroll	22,815.36	231,222.75	290,207.00	58,984.25	79.68%
422-421-10012 Overtime	190.03	484.09	1,000.00	515.91	48.41%
422-421-10015 Part-time/Temp	0.00	23,920.50	24,300.00	379.50	98.44%
422-421-10020 Retirement	6,074.42	63,976.09	84,965.00	20,988.91	75.30%
422-421-10030 Employee Benefits	6,878.23	69,028.91	59,155.00	(9,873.91)	116.69%
422-421-10033 Employee Life Insurance	19.20	238.40	332.00	93.60	71.81%
422-421-10035 Management Life Insurance	105.33	1,056.59	1,299.00	242.41	81.34%
422-421-10040 Worker's Compensation	2,483.13	24,831.30	29,798.00	4,966.70	83.33%
Total Salaries and Benefits	38,565.70	414,758.63	491,056.00	76,297.37	84.46%
422-421-20121 Communications	119.31	1,844.94	2,200.00	355.06	83.86%
422-421-20140 Household Expense	340.04	3,183.05	3,500.00	316.95	90.94%
422-421-20150 Insurance-Office	6,136.00	6,136.00	6,136.00	0.00	100.00%
422-421-20151 Liability Insurance	0.00	0.00	2,500.00	2,500.00	0.00%
422-421-20152 Vehicle Insurance	203.00	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	0.00	146.27	500.00	353.73	29.25%
422-421-20175 Maintenance-Computers	0.00	0.00	139.00	139.00	0.00%
422-421-20180 Maint-Structures/improvements & TS M	1,075.00	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	0.45	5.62	400.00	394.38	1.41%
422-421-20223 Postage	56.03	1,107.39	1,400.00	292.61	79.10%
422-421-20224 Office Supplies	305.54	4,251.15	7,000.00	2,748.85	60.73%
422-421-20227 Books/Subscriptions	0.00	0.00	399.00	399.00	0.00%
422-421-20230 Prof Serv-Co/City	2,908.00	3,563.74	20,000.00	16,436.26	17.82%
422-421-20231 Prof Serv	0.00	156.84	32,396.00	32,239.16	0.48%
422-421-20232 Prof Serv-Well Monitoring	0.00	24,174.00	27,111.00	2,937.00	89.17%
422-421-20233 Audit	0.00	0.00	8,850.00	8,850.00	0.00%
422-421-20234 Legal Counsel	1,321.43	6,539.12	12,000.00	5,460.88	54.49%
422-421-20235 Treasurer	750.00	3,375.00	4,500.00	1,125.00	75.00%
422-421-20236 Security	0.00	734.75	1,500.00	765.25	48.98%
422-421-20237 Credit Card Service Fees	623.97	5,478.05	4,000.00	(1,478.05)	136.95%
422-421-20238 TS Collection	1,802.80	19,253.00	27,000.00	7,747.00	71.31%
422-421-20239 Transfer Station Operations	125,019.44	1,185,214.86	1,800,000.00	614,785.14	65.85%
422-421-20240 Advertising/Publications	66.80	66.80	1,000.00	933.20	6.68%
422-421-20250 Lease of Equipment	249.41	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	5,100.00	1,025.62	79.89%
422-421-20280 Delivery Service	0.00	403.50	600.00	196.50	67.25%
422-421-20281 Household Hazardous Waste Event	0.00	31,384.00	32,000.00	616.00	98.08%
422-421-20283 Community Clean-up	429.71	3,867.39	5,000.00	1,132.61	77.35%
422-421-20285 Special Dept Expense	0.00	3,202.97	3,389.00	186.03	94.51%
422-421-20286 Cash Over/Under	(49.70)	439.10	182.00	(257.10)	241.26%
422-421-20288 City Collections	1,481.74	13,340.66	17,000.00	3,659.34	78.47%
422-421-20290 Travel	210.89	2,036.71	3,000.00	963.29	67.89%
422-421-20297 Vehicle Fuel	126.94	1,470.81	1,500.00	29.19	98.05%
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%
422-421-20240-080 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	570.00	7,003.80	7,500.00	496.20	93.38%

Solid Waste

Statement of Revenues and Expenditures
10 Months Ended 4/30/2013

	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	90.00	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%
Total Services and Supplies	143,836.80	1,383,248.19	2,120,425.00	737,176.81	65.23%
422-421-30490 Depreciation Expense	0.00	0.00	110,267.00	110,267.00	0.00%
Total Other Charges	0.00	0.00	110,267.00	110,267.00	0.00%
Total Fixed Assets	0.00	0.00	0.00	0.00	0.00%
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	40,270.00	48,328.00	8,058.00	83.33%
Total Intrafund Transfers	4,027.00	243,592.27	265,353.00	21,760.73	91.80%
Total Expenses	186,429.50	2,041,599.09	2,987,101.00	945,501.91	68.35%
Revenues Over (Under) Expenditures	67,304.54	154,149.50	0.00	154,149.50	0.00%

CLAIMS APPROVED BY THE DIRECTOR				Apr-13
<i>Date Paid</i>	<i>Paid to:</i>	<i>Budget</i>	<i>Amt. Paid</i>	<i>Description</i>
4/17/2013	41st District Agricultural Associaion	20285-074	\$2,000.00	2013 Fair Sponsorship Family Day
4/17/2013	The Trip;icate	20240	\$66.80	Advertising
4/17/2013	Progressive	20152	\$203.00	Added Employee to Policy
4/17/2013	Curry Transfer Roto-Rooter	20140	\$128.23	Gasquet Services 03/01-03/31/13
4/17/2013	Curry Transfer Roto-Rooter	20140	\$140.23	Klamath Services 03/01-03/31/13
4/17/2013	Black, Robert	20234	\$1,405.08	Attorney Services 04/01/2013
4/17/2013	Mission Linen Supply	20140	\$71.58	Lien Service 03/05 & 03/19
4/17/2013	Recology Del Norte	20238	\$1,442.24	Klamath Beach Rd.
4/17/2013	Recology Del Norte	20238	\$360.56	Old Gasquet Toll Rd.
4/17/2013	Recology Del Norte	20288	\$237.10	900 Tenth St. City Yard
4/17/2013	Recology Del Norte	20283	\$429.71	500 Cooper Ave. County Yard.
4/17/2013	Recology Del Norte	20288	\$1,244.64	1001 Front St. Cultural Center
4/17/2013	North Coast Laboratories, LTD.	20232	\$498.00	LF Stormwater Inactive Sites
4/17/2013	North Coast Laboratories, LTD.	20232	\$1,579.00	Landfill Surface Water
4/17/2013	Hi-Tech Security	20236	\$165.00	Bypass Switch for door
4/17/2013	Bi-Coastal Media	20240-074	\$30.00	KOPD-FM
4/17/2013	Bi-Coastal Media	20240-074	\$395.00	KCRE-FM
4/17/2013	Bi-Coastal Media	20240-074	\$145.00	KPOD-FM
4/17/2013	G.H. Outreach	20285-069	\$90.00	Recycling pick-up
4/17/2013	Babcock, Lisa	20290	\$33.34	Personal Mileage Report
4/17/2013	Ricoh USA, inc.	20250	\$249.41	Current Billing 03/30-04/29/13
4/17/2013	Tylor, Richard	20235	\$375.00	Treasure/Controller Service 03/2013
4/17/2013	U.S. Bank	20224	\$21.49	Office Supplies
4/17/2013	U.S. Bank	20171	\$292.13	Auto Repair
4/17/2013	U.S. Bank	20290	\$20.00	Parking
4/17/2013	U.S. Bank	20285	\$107.95	Work Wear
4/17/2013	U.S. Bank	20224	\$ 84.89	Office Supplies/Toner
4/17/2013	Ecker, James	20180	\$ 1,075.00	Repair for Madular Building
4/17/2013	Roads Inter-office transfer	20230	\$ 2,012.60	Misc Work at Landfill
4/17/2013	Roads Inter-office transfer	20230	\$ 847.82	Repair Slope at Landfill
	TOTAL		\$ 15,750.80	

**DNSWMA
GRAND TOTALS
April 2013**

	Amount to 422-421 91003	Amount to 422-421 91004	TOTAL AMOUNT
	66.53%	33.47%	
DNCTS Cash Total	32,957.04	16,580.07	49,537.11
DNCTS Charge Total	103,589.27	52,113.82	155,703.09
DNCTS Credit/Debit	11,707.44	5,889.80	17,597.24
DNCTS Totals	148,253.75	74,583.69	222,837.44
Klamath Cash Total		3,418.48	3,418.48
Klamath Charge Total		303.41	303.41
Klamath Totals		3,721.89	3,721.89
Gasquet Cash Total		1,166.50	1,166.50
Gasquet Charge Total			
Gasquet Totals		1,166.50	1,166.50
Adjustments			
GRAND TOTALS	148,253.75	79,472.08	227,725.83

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Del Norte Solid Waste Management Authority A/R Aging Summary As of March 31, 2013

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Abandoned Vehicle Abatement	473.80	0.00	0.00	0.00	0.00	473.80
Adventures in Hair	27.63	0.00	0.00	-0.02	0.00	27.61
Affordable Home & Rental Rep.	60.79	0.00	0.00	0.00	0.00	60.79
Agricultural Commission	41.44	62.16	8.29	0.00	161.53	273.42
Aladdin Reality	24.53	24.87	42.83	0.00	31.49	123.72
Albers Seafood	0.00	19.19	0.00	0.00	0.00	19.19
Alexandre EcoDairy Farms	91.19	798.57	0.00	0.00	0.00	889.76
Babich Construction	89.25	0.00	0.00	0.00	0.00	89.25
Bad Checks/Co Collector	0.00	0.00	0.00	0.00	43.78	43.78
BCM Consturtion Company	454.55	0.00	0.00	0.00	0.00	454.55
Benner Mini Storage	34.89	0.00	0.00	0.00	0.00	34.89
Bommelyn / Hartley Construction	547.11	0.00	0.00	0.00	0.00	547.11
Bommelyn Construction	11.05	0.00	0.00	0.00	0.00	11.05
Borges Dairy	64.94	0.00	0.00	0.00	0.00	64.94
Brown, Hector	0.00	0.10	0.00	0.00	0.00	0.10
C.A.R.R.E. / Full - Spectrum	167.78	0.00	0.00	0.00	0.00	167.78
Cal-Trans	130.42	0.00	0.00	0.00	0.00	130.42
California Auto Image	142.30	0.00	0.00	0.00	0.00	142.30
California Dept. of Fish & Game	0.00	16.58	0.00	0.00	0.00	16.58
California Dept. Parks & Rec.	533.25	653.23	47.66	0.00	0.00	1,234.14
Calvary Chapel	0.00	0.00	34.54	-34.54	0.00	0.00
Castal Rock Countertop's	13.82	0.00	0.00	0.00	0.00	13.82
Certified Plumbing Co.	53.88	6.90	0.00	0.00	0.00	60.78
Cetnar Construction Inc.	73.22	0.00	0.00	0.00	0.00	73.22
Charter Communication	0.00	0.00	0.00	0.00	22.11	22.11
City of Crescent City.	0.00	-12.67	0.00	0.00	0.00	-12.67
College of the Redwoods	91.19	67.70	0.00	0.00	-84.28	74.61
Combined Maintance Services	89.26	1,337.73	0.00	0.00	0.00	1,426.99
Corner Stone Assembly of God	46.98	0.00	37.00	0.00	0.00	83.98
Cory, Charles	0.00	0.00	0.00	0.00	576.49	576.49
Crescent Ace Hardware.	258.36	316.39	14.70	-14.70	0.00	574.75
Crescent City KOA	127.10	29.01	0.01	0.00	0.00	156.12
Crescent City Nursing & Rehab	28.07	0.00	0.00	0.00	0.00	28.07
Crescent City, Harbor	0.00	0.00	0.00	0.00	0.01	0.01
Crescent Electric	193.60	0.00	0.00	0.00	0.00	193.60
Crescent Fire Protection Dist.	4.85	23.47	0.00	0.00	0.77	19.39
Crescent Land Title Co.	54.15	0.00	0.00	0.00	0.00	54.15
Crescent Senior Estates	82.55	0.00	0.00	0.00	0.00	82.55
DEBIT	0.00	0.00	0.00	0.00	190.46	190.46
Del Norte Ambulance	208.37	4.84	-39.37	0.00	0.00	173.84
Del Norte County Road Dept.	234.54	15.80	189.05	0.00	179.43	618.82
Del Norte Parks & Recreation	223.90	532.88	548.49	0.00	2,935.09	4,240.36
Del Norte Realty	36.97	0.00	0.00	0.00	0.00	36.97
Del Norte Roofing	128.49	692.36	0.00	0.00	0.00	820.85
Del Norte Solid Waste Mngmt	6.21	18.64	16.32	0.00	1,967.70	2,008.87
Del Norte Storage	0.00	41.45	0.00	0.00	0.00	41.45
Direct TV	0.00	9.67	6.91	0.00	0.00	16.58
DN Fire Safe Council	0.00	37.30	0.00	0.00	0.00	37.30
DN Unified School District	51.53	0.00	0.00	0.00	0.00	51.53
DNC Building Maintenance	6.90	24.86	0.00	0.00	109.23	140.99
DNC Code Enforcement - Blight	0.00	1,127.61	0.00	0.00	0.00	1,127.61
DNC Public Nuisance Abatement	0.00	7,638.12	0.00	0.00	0.00	7,638.12
Dutra Materials	0.00	0.00	9.67	0.00	0.00	9.67
Elk Valley Casino	0.00	21.92	0.00	-16.39	0.00	5.53
Elk Valley Rancheria	35.44	28.68	0.00	0.00	129.72	193.84
Elk Valley Storage	35.92	81.52	0.00	0.00	-33.14	84.30
Ellers Fort Dick Market	239.01	0.50	0.00	0.00	0.00	239.51
Extra Muscle - Joel Johnson	0.00	0.00	-39.81	0.00	0.00	-39.81
Fashion Blacksmith	74.61	0.00	0.00	0.00	0.00	74.61
FRANKLIN	6.90	0.00	0.00	0.00	0.00	6.90
Franklin's Plumbing	0.00	31.78	13.81	0.00	0.00	45.59
G. H. Outreach	126.93	173.85	-43.75	0.00	0.00	257.03
Golden State Construction	221.54	0.30	0.00	0.00	-0.30	221.54
Green Scapes	13.81	20.70	0.00	0.00	0.00	34.51
Griffin's Furniture Outlet	120.13	0.00	0.00	-0.10	0.00	120.03
Hambro/Waste Solutions Group	107.84	0.00	0.00	0.00	0.00	107.84

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Del Norte Solid Waste Management Authority
A/R Aging Summary
 As of March 31, 2013

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
Hank's Hauling	24.87	0.00	0.00	0.00	0.00	24.87
HASP / Jordan Recovery Centers	277.81	1,048.92	308.11	0.00	0.00	1,634.84
Hintz Construction	0.00	0.00	0.00	0.00	127.60	127.60
Humane Society Of Del Norte	26.25	0.00	0.00	0.00	0.00	26.25
Humboldt Moving & Storage	75.75	0.00	0.00	0.00	0.00	75.75
Investment Realty	88.20	226.51	0.00	0.00	0.00	314.71
Jacob R. Crager	35.92	44.00	0.00	0.00	0.00	79.92
Klamath Transfer Station	60.47	0.00	0.00	0.00	0.00	60.47
Larson Services	29.01	0.00	0.00	0.00	0.00	29.01
Lehman Property Management	0.00	0.00	0.00	0.00	1,885.22	1,885.22
Leslna Trucking	12.43	0.00	0.00	0.00	0.00	12.43
Lighthouse Community Church	0.00	23.49	0.00	0.00	0.00	23.49
LNL Design and Construction	34.01	180.98	30.39	0.00	0.00	245.38
Lucero, Steven	8.71	0.00	0.00	0.00	0.00	8.71
Lucky 7 Casino	0.00	0.00	0.00	0.00	0.17	0.17
Malloroy Construction	0.00	0.00	8.35	0.00	0.00	8.35
Mark Wooding Construction	0.00	0.00	0.00	0.00	-120.00	-120.00
Mastaloudis Homes Inc.	182.38	0.00	0.00	0.00	0.00	182.38
McMurray & Sons Roofing	269.42	0.00	0.00	0.00	0.00	269.42
Ming Tree Real Estate	0.00	0.00	0.00	0.00	-16.10	-16.10
Moen Investments	158.88	169.41	0.00	0.00	0.00	328.29
Mountain Power Tree Co.	109.15	13.82	0.00	0.00	0.00	122.97
Mow Blow and Go	30.97	0.00	0.00	0.00	0.00	-30.97
Murray Construction	203.08	0.00	0.00	0.00	0.00	203.08
Newey, Harold L.	75.42	0.00	0.00	0.00	0.00	75.42
Niehoff Construction	17.91	485.55	232.11	0.00	72.14	807.71
Norbury Construction	0.00	0.00	0.00	0.00	296.70	296.70
North Coast Properties	17.96	70.47	0.00	0.00	0.00	88.43
North Woods Realty	88.57	0.00	0.00	0.00	0.00	88.57
Northcoast Marine Mammal Ctr.	0.00	6.90	0.00	0.00	0.00	6.90
Northridge Electric	27.63	0.00	0.00	0.00	0.00	27.63
Pacific Coast Realty & Prop.	320.24	0.00	0.00	0.00	0.00	320.24
Pappas Dry Wall	78.74	70.45	0.00	0.00	0.00	149.19
Peasley's Property Mang.	208.30	0.00	0.00	0.00	0.00	208.30
Pebble Beach Apartments	32.92	0.00	0.00	0.00	0.00	32.92
Pelican Bay Evangelical Free Church	20.71	0.00	0.00	0.00	-0.72	19.99
Plunkett's Family Painting	15.20	0.00	0.00	0.00	0.00	15.20
Ray's Mobile Home Service	99.47	0.00	0.00	0.00	0.00	99.47
Recology Del Norte (Franchise)	92,306.03	0.00	0.00	0.00	0.00	92,306.03
Recology Del Norte (Prison)	11,721.50	0.00	0.00	0.00	0.00	11,721.50
Red Sky Roofing	7,686.26	13,090.75	0.00	0.00	0.00	20,777.01
Redwood Community Action Agency	160.24	0.00	0.00	0.00	0.00	160.24
Redwood National Park	0.00	0.00	0.00	0.00	5,369.94	5,369.94
Reservation Ranch	913.24	1,050.01	0.00	0.00	0.00	1,963.25
Richterich & Jones Const	935.36	147.83	0.00	0.00	0.00	1,083.19
Ritchie Homes	143.82	1,395.33	959.39	0.00	0.00	2,498.54
Rogers, Luu T.	0.00	46.55	0.00	0.00	0.00	46.55
Ron's Hauling	0.00	0.00	0.00	0.00	-5.00	-5.00
Roy Rook Construction	236.25	693.56	0.00	0.00	0.00	929.81
Ruiz Construction	0.00	-6.90	0.00	0.00	0.00	-6.90
Rumlano Cheese Company	6.90	0.00	0.00	0.00	0.00	6.90
Rural Human Services	47.84	0.00	0.00	-29.88	0.00	17.96
Schnacker's General Hauling	9.67	0.00	0.00	0.00	0.00	9.67
Seagull Apartments	3.87	0.00	0.00	0.00	0.00	3.87
Seawood Village	6,594.36	0.00	0.00	0.00	0.00	6,594.36
Shangri-la Trailer Court	219.80	0.00	0.00	0.00	0.04	219.84
Smith River Rancheria	163.03	0.00	0.00	0.00	0.00	163.03
Snoozie Shavings, Inc.	46.97	0.00	0.00	0.00	0.00	46.97
Sprint Courier Service	0.00	210.61	0.00	0.00	0.00	210.61
Spruce Haven Mobile Home Park	0.00	0.00	0.00	0.00	0.00	0.00
St. Joseph's Parish	11.05	0.00	0.00	0.00	0.00	11.05
Stephen F White Gen.Cont. Inc.	222.85	113.81	-45.00	0.00	0.00	291.67
Stone Roofing	252.03	0.00	0.00	0.00	0.00	252.03
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	2,493.39	0.00	0.00	0.00	0.02	2,493.41

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Del Norte Solid Waste Management Authority
A/R Aging Summary
 As of March 31, 2013

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>> 90</u>	<u>TOTAL</u>
Thermo Fluids, Inc. / Outbound OIL	0.00	0.00	-20.40	0.00	-24.91	-45.31
Thomas Gavin Construction	6.90	8.29	0.00	0.00	0.00	15.19
Tim Haban Construction	20.72	0.00	0.00	0.00	0.00	20.72
Totem Villa Apartments	69.08	0.00	0.00	0.00	-14.96	54.12
TRKLA/TRGAS BINS AND LF BINS	5,346.39	9,849.76	3,139.24	0.00	25,350.56	43,685.95
U.S. Forest Service-Gasquet CA	0.00	0.00	0.00	0.00	1,120.96	1,120.96
V Primo Construction	1,026.53	0.00	0.00	0.00	0.00	1,026.53
Van Arsdale Construction	918.76	0.00	0.00	0.00	0.00	918.76
Van Nocker's Cleaning	9.67	0.00	0.00	0.00	0.00	9.67
VISA	0.00	0.00	0.00	0.00	19.26	19.26
Wigley Contracting	11.05	0.00	0.00	0.00	0.00	11.05
Winn's Maintenance 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	180.39	123.07	0.00	0.00	-123.07	180.39
Yurok Tribe	230.49	205.86	0.00	0.00	0.00	436.35
TOTAL	<u>140,506.12</u>	<u>43,115.04</u>	<u>5,458.54</u>	<u>-95.63</u>	<u>41,235.15</u>	<u>230,219.22</u>

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

Date	Cash	Checks	Cash/Check Total	Visa	Master	DISC	Credit Card Total	Charges	Grand Total	66.53% 91003	33.47% 91004	20266	Total
1	\$ 1,567.98	\$ 297.39	\$ 1,865.37	\$ 570.75	\$ 82.55		\$ 653.30	\$ 8,653.36	\$ 11,772.03	\$ 1,241.03	\$ 624.34	(\$27.64)	\$ 1,837.73
2	\$ 1,004.03	\$ 343.43	\$ 1,347.46	\$ 329.42	\$ 56.59		\$ 386.01	\$ 6,080.86	\$ 7,814.33	\$ 896.47	\$ 450.99	\$0.25	\$ 1,347.71
3	\$ 1,451.50	\$ 200.94	\$ 1,652.44	\$ 364.35			\$ 364.35	\$ 4,976.96	\$ 6,993.75	\$ 1,099.37	\$ 553.07	\$0.31	\$ 1,652.75
4	\$ 679.58	\$ 100.86	\$ 780.44	\$ 362.53			\$ 362.53	\$ 4,156.80	\$ 5,299.77	\$ 519.23	\$ 261.21	(\$0.01)	\$ 780.43
5	\$ 712.14	\$ 494.02	\$ 1,206.16	\$ 266.19	\$ 95.16		\$ 361.35	\$ 5,432.82	\$ 7,000.33	\$ 802.46	\$ 403.70	(\$0.02)	\$ 1,206.14
6	\$ 1,185.60	\$ 383.63	\$ 1,569.23	\$ 721.40	\$ 38.69		\$ 760.09	\$ 339.10	\$ 2,668.42	\$ 1,044.01	\$ 525.22	\$0.61	\$ 1,569.84
7	\$ 1,022.77	\$ 218.01	\$ 1,240.78	\$ 538.81	\$ 10.16		\$ 548.97		\$ 1,789.75	\$ 825.49	\$ 415.29	\$0.04	\$ 1,240.82
8	\$ 1,603.99	\$ 384.27	\$ 1,988.26	\$ 265.63	\$ 6.90		\$ 272.53	\$ 10,110.88	\$ 12,371.67	\$ 1,322.79	\$ 665.47	(\$0.02)	\$ 1,988.24
9	\$ 1,359.72	\$ 256.16	\$ 1,615.88	\$ 1,004.50	\$ 276.32		\$ 1,280.82	\$ 7,759.06	\$ 10,655.76	\$ 1,075.04	\$ 540.84	\$1.15	\$ 1,617.03
10	\$ 809.75	\$ 418.61	\$ 1,228.36	\$ 448.80	\$ 94.76		\$ 543.56	\$ 5,652.06	\$ 7,423.98	\$ 817.23	\$ 411.13	(\$0.09)	\$ 1,228.27
11	\$ 1,441.45	\$ 228.43	\$ 1,669.88	\$ 579.62	\$ 20.72		\$ 600.34	\$ 5,410.11	\$ 7,680.33	\$ 1,110.97	\$ 558.91	(\$9.74)	\$ 1,660.14
12	\$ 1,340.09	\$ 383.41	\$ 1,723.50	\$ 857.53	\$ 136.78	\$ 27.63	\$ 1,021.94	\$ 7,728.19	\$ 10,473.63	\$ 1,146.64	\$ 576.86	(\$0.57)	\$ 1,722.93
13	\$ 1,948.48	\$ 351.51	\$ 2,299.99	\$ 783.05	\$ 58.03		\$ 841.08	\$ 394.56	\$ 3,535.63	\$ 1,530.18	\$ 769.81	\$0.07	\$ 2,300.06
14	\$ 1,432.56	\$ 405.03	\$ 1,837.59	\$ 542.34	\$ 151.55		\$ 693.89	\$ 205.86	\$ 2,737.34	\$ 1,222.55	\$ 615.04	(\$0.09)	\$ 1,837.51
15	\$ 1,594.05	\$ 340.75	\$ 1,934.80	\$ 243.44	\$ 33.16		\$ 276.60	\$ 8,005.93	\$ 10,217.33	\$ 1,287.22	\$ 647.58	\$0.21	\$ 1,935.01
16	\$ 1,744.59	\$ 525.30	\$ 2,269.89	\$ 316.92			\$ 316.92	\$ 5,483.35	\$ 8,070.16	\$ 1,510.16	\$ 759.73	\$0.28	\$ 2,270.17
17	\$ 1,228.80	\$ 408.18	\$ 1,636.98	\$ 300.28	\$ 84.55	\$ 56.65	\$ 441.48	\$ 6,896.56	\$ 8,975.02	\$ 1,089.08	\$ 547.90	(\$0.44)	\$ 1,636.54
18	\$ 1,145.38	\$ 399.61	\$ 1,544.99	\$ 511.38	\$ 46.97		\$ 558.35	\$ 6,443.45	\$ 8,546.79	\$ 1,027.88	\$ 517.11	(\$1.05)	\$ 1,543.94
19	\$ 1,423.04	\$ 229.79	\$ 1,652.83	\$ 345.81	\$ 228.92	\$ 9.68	\$ 584.41	\$ 6,151.70	\$ 8,388.94	\$ 1,099.63	\$ 553.20	\$0.01	\$ 1,652.84
20	\$ 1,574.83	\$ 140.83	\$ 1,715.66	\$ 493.07	\$ 46.98		\$ 540.05	\$ 144.52	\$ 2,400.23	\$ 1,141.43	\$ 574.23	\$2.07	\$ 1,717.73
21	\$ 1,232.87	\$ 397.66	\$ 1,630.53	\$ 593.25			\$ 593.25	\$ 589.44	\$ 2,813.22	\$ 1,084.79	\$ 545.74	\$0.01	\$ 1,630.54
22	\$ 1,495.33	\$ 155.54	\$ 1,650.87	\$ 753.52	\$ 55.96		\$ 809.48	\$ 10,203.45	\$ 12,663.80	\$ 1,098.32	\$ 582.55	(\$1.07)	\$ 1,649.80
23	\$ 2,137.32	\$ 488.37	\$ 2,625.69	\$ 580.45	\$ 204.24		\$ 784.69	\$ 5,570.66	\$ 8,981.04	\$ 1,746.87	\$ 878.82	(\$3.08)	\$ 2,622.61
24	\$ 1,573.93	\$ 395.74	\$ 1,969.67	\$ 687.38	\$ 28.68		\$ 716.06	\$ 5,454.89	\$ 8,140.62	\$ 1,310.42	\$ 659.25	(\$0.20)	\$ 1,969.47
25	\$ 940.50	\$ 42.83	\$ 983.33	\$ 437.49	\$ 33.16		\$ 470.65	\$ 5,847.34	\$ 7,301.32	\$ 654.21	\$ 329.12	\$0.03	\$ 983.36
26	\$ 1,694.74	\$ 240.58	\$ 1,935.32	\$ 432.93	\$ 55.26		\$ 488.19	\$ 8,007.49	\$ 10,431.00	\$ 1,287.57	\$ 647.75	\$1.41	\$ 1,936.73
27	\$ 1,350.49	\$ 194.95	\$ 1,545.44	\$ 633.53	\$ 312.36		\$ 945.89	\$ 190.14	\$ 2,681.47	\$ 1,028.18	\$ 517.26	\$0.02	\$ 1,545.46
28	\$ 1,346.66	\$ 202.79	\$ 1,549.45	\$ 491.82	\$ 15.20		\$ 507.02	\$ 272.18	\$ 2,328.65	\$ 1,030.85	\$ 518.60	\$0.01	\$ 1,549.46
29	\$ 1,440.74	\$ 331.92	\$ 1,772.66	\$ 421.23	\$ 6.91		\$ 428.14	\$ 11,311.81	\$ 13,512.61	\$ 1,179.35	\$ 593.31	\$0.21	\$ 1,772.87
30	\$ 805.47	\$ 288.19	\$ 1,093.66	\$ 429.00	\$ 16.30		\$ 445.30	\$ 8,229.56	\$ 9,768.52	\$ 727.61	\$ 366.05	\$0.01	\$ 1,093.67
			\$ -				\$ -		\$ -				\$ -
TOTAL	\$40,286.38	\$9,248.73	\$49,535.11	\$15,306.42	\$2,196.86	\$93.96	\$17,597.24	\$155,703.09	\$222,837.44	\$32,957.04	\$16,580.07	\$37.30	\$49,499.80

DNSWMA
 KLAMATH TRANSFER STATION CASH
 April 2013

Date	Amount to	TOTAL CASH AMOUNT
	422-421 91004	
April 3	443.50	443.50
April 7	442.26	442.26
April 10	218.29	218.29
April 14	441.74	441.74
April 17	247.39	247.39
April 21	529.81	529.81
April 24	396.24	396.24
April 28	699.25	699.25
		0.00
		0.00
		0.00
TOTAL	3,418.48	3,418.48

DNSWMA
 KLAMATH TRANSFER STATION CHARGES
 April 2013

Date	Charge Name	Receipt #	Amount to 422-421	TOTAL AMOUNT
			91004	
04/03/13	NEWWEY	474127	25.16	25.16
04/03/13	YUROK IHA	474128	125.32	125.32
04/10/13	NEWWEY	474129	19.56	19.56
04/17/13	NEWWEY	474130	16.75	16.75
04/24/13	YUROK IHA	474131	74.70	74.70
04/24/13	NEWWEY	474132	22.36	22.36
04/28/13	NEWWEY	474133	19.56	19.56
				0.00
				0.00
				0.00
				0.00
				0.00
TOTAL			303.41	303.41

**DNSWMA
 GASQUET TRANSFER STATION - CASH
 April 2013**

Date	Amount to 422-421	TOTAL CASH AMOUNT
	91004	
April 6	226.79	226.79
April 13	294.17	294.17
April 20	270.10	270.10
April 27	375.44	375.44
		0.00
TOTAL	1166.50	1166.50

**DAILY TICKET REPORT
 DNSWMA TRANSFER STATION
 MONTH: April 1 - 30, 2013**

	BEGIN	END	VOIDED TICKETS	TICKET COUNT
Date				
1	695479	695655		177
2	695656	695802		147
3	695803	695974		172
4	695975	696056		82
5	696057	696172		116
6	696173	696323		151
7	696324	696441	1	117
8	696442	696609		168
9	696610	696770		161
10	696771	696920	1	149
11	696921	697084	1	163
12	697085	697272		188
13	697273	697464		192
14	697465	697633		169
15	697634	697800		167
16	697801	697945		145
17	697946	698112	1	166
18	698113	698255	1	142
19	698256	698402		147
20	698403	698553	1	150
21	698554	698726		173
22	698727	698908		182
23	698909	699095		187
24	699096	699258	1	162
25	699259	699367	1	108
26	699368	699582	1	214
27	699583	699748		166
28	699749	699910		162
29	699911	700101	1	190
30	700102	700244		143

TOTAL			10	4756
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AUTHORITY REVENUE REPORT April 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)	July	\$ 19,055.00 \$ (2,362.00)
August	\$ 22,303.00	\$ (1,945.00)	August	\$ 20,358.00 \$ (1,059.00)
September	\$ 25,998.00	\$ (4,784.00)	September	\$ 21,214.00 \$ (203.00)
October	\$ 21,885.00	\$ (1,320.00)	October	\$ 20,565.00 \$ (852.00)
November	\$ 23,761.00	\$ (3,778.00)	November	\$ 19,983.00 \$ (1,434.00)
December	\$ 21,986.00	\$ (2,093.00)	December	\$ 19,893.00 \$ (1,525.00)
January	\$ 20,201.00	\$ (1,036.00)	January	\$ 19,165.00 \$ (2,252.00)
February	\$ 20,548.00	\$ 363.00	February	\$ 20,911.00 \$ (506.00)
March	\$ 19,236.00	\$ 1,311.00	March	\$ 20,547.00 \$ (870.00)
April	\$ 19,547.00	\$ 54.00	April	\$ 19,601.00 \$ (1,816.00)
May	\$ 20,211.00		May	
June	\$ 19,510.00		June	
Total	\$ 257,612.00		Total	\$ 201,292.00 \$ (12,879.00)

Projected Annual Total \$ 241,550.00 \$ (15,450.00)



Del Norte Solid Waste Management Authority

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

10 May 2013

Ms. JoAnne Byrne
Financial Assurances Unit
California Department of Resources Recycling and Recovery (CalRecycle)
1001 I Street
PO Box 4025
Sacramento, CA 95812-4025

SUBJECT: Request for Reduction in Post-Closure Financial Assurance Multiplier for the Crescent City Landfill

Dear Ms. Byrne:

The Del Norte Solid Waste Management Authority (Authority), a rural regional joint powers authority comprised of the City of Crescent City and the County of Del Norte, hereby request a reduction in the multiplier used to assess the financial liability associated with the Crescent City Landfill. Final closure construction of this facility was completed on 01 February 2006. Authority staff, partner agencies and contractors have maintained this landfill and monitored surface, storm, and ground water quality since closure was completed.

The Authority has adopted Resolution 2008-04, a Pledge of Revenue Agreement Establishing Financial Assurance for Postclosure Maintenance of the Crescent City Landfill.

As you are aware, each year the Authority must estimate the amount of the post-closure liability by multiplying the engineer's estimate of the annual post-closure maintenance expenses times thirty (30). This significant liability is recognized each year within the Authority's financial audit, and is not reduced by annual maintenance or monitoring expenses, though projections of these expenses were the basis for the engineer's estimate.

As of February 2013, seven years will have elapsed since the post-closure maintenance period began. In September 2012, CalRecycle approved the reduction of

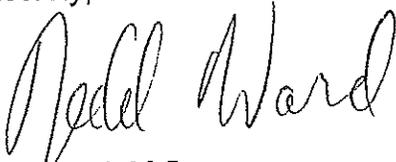
A Joint Powers Authority of
the City of Crescent City and County of Del Norte
& member, North Coast Recycling Market Development Zone

3.5

the postclosure maintenance multiplier from 30 to 25, effective February 2012. The Authority hereby requests that CalRecycle officially reduce the Del Norte Solid Waste Management Authority's multiplier for calculating the post-closure liability for the Crescent City Landfill by six years to be twenty-four (24), effective February 2013.

If you have questions or need further information, please contact me. Thank you in advance for your consideration of this request.

Sincerely,

A handwritten signature in cursive script that reads "Tedd Ward".

Tedd Ward, M.S.
Program Manager
Del Norte Solid Waste Management Authority

cc: Mr. Gino Yekta, CalRecycle
Mr. Richard Castle, Financial Assurances Unit, CalRecycle
Ms. Gina Morrison, North Coast Regional Water Quality Control Board
Mr. Jim Barnts, Del Norte County Engineer
Mr. Clinton Schaad, Auditor/Controller, County of Del Norte
Ms. Heidi Kunstal, Del Norte County Community Development Department



Del Norte Solid Waste Management Authority

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

Staff Report

Date: 21 May 2013
To: Commissioners of the Del Norte Solid Waste Management Authority
From: Tedd Ward, Program Manager *Tedd*
Subject: Erosion Repairs at the Crescent City Landfill

Recommendation: Status report, no action required.

Background: At the March 2013 Authority meeting, staff reported on the erosion sustained at the Crescent City Landfill this past winter, and the need to repair this damage.

Analysis: Authority staff, in coordination with County Engineer Jim Barnts, developed the attached Staff Report regarding Maintenance and Repair Strategies, and submitted that to concerned staff from CalRecycle and the North Coast Regional Water Quality Control Board. Eric Lauchstedt of the County Engineering Department produced the As-built drawings.

These repairs have been completed and the exposed areas seeded with a mixture of grasses. No further action is required at this time.

Alternatives: Not applicable.

Fiscal Impact: The total cost for these repairs, not including Authority staff time, was \$12,129.01. This includes \$8,987.75 for equipment and labor from the Road Department, \$2,916.12 for assistance from the Engineering and Surveying Department, and \$225.14 for supplies like grass seed and straw.

Attachments:

1. **As-Built Drawings of Drainage Failure Repair**
2. **Authority Staff Report of 10 May 2013 regarding Maintenance and Repair Strategies at the Crescent City Landfill**

13 January 2012

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Del Norte Solid Waste Management Authority

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

Staff Report

Date: 10 May 2013

To: Gina Morrison, RWQCB, North Coast Region
Gino Yekta, CalRecycle

cc: Commissioners of the Del Norte Solid Waste Management
Authoirty

From: Jim Barnts, Del Norte County Engineer
Tedd Ward, DNSWMA Program Manager

Subject: Maintenance and Repair Strategies at the Crescent City Landfill

As you are aware, heavy rainfall has resulted in significant erosion on the northeastern slopes of the Crescent City Landfill, exposing areas of drainage geomesh and damaging subsurface and surface drainage structures. The purpose of this Staff Report is to inform you of our plans to repair these structures, to re-establish functional surface and sub-surface drainage systems, regrading the sideslope and top-deck berms, and revegetating the graded areas.

As County Engineer, I do not feel we have adequate information at this time to design and engineer additional drainage structures for this facility, and so our approach to this repair this summer will be enhanced maintenance. I understand that erosion issues in these areas have been increasingly severe in recent winters, but 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. We intend to restore the landfill drainage structures and grades as described in the Crescent City Landfill Closure and Post-closure Maintenance Plan (Closure Plan), with much of the work to be completed this month.

13 January 2012

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30% post-consumer



100% recycled paper

Our construction sequence will be to repair the sub-surface drainage structures, to replace the eroded vegetative layer soils, regrade the side slopes including the drainage berms on the sideslopes, reposition and/or replace the support blocks for surface drain pipes inlets and connections, repair the surface drain pipes, and reseed with a mix of grasses.

In an effort to impede such erosion events in future, I am directing the Road Department crews to use materials eroded from the landfill vegetative layer and excavated from the settling basins to re-establish the grades described in the Closure Plan.

For re-establishing the berms at the shoulder point, directing surface water runoff flows to drop inlets to the surface downdrains, I am directing our crews to re-establish crest berms (see drawing) using soils with a higher clay content to reduce the potential for breaching of these berms by burrowing animals and/or stormwater flows. Del Norte County's Engineering Technician Rick Lauchstedt will survey the flow lines to the drop inlets so these berms are placed in a way that avoids ponding. After grading is completed, Rick will prepare as-built drawings, which we will forward to you, for locations (if any) where the repairs deviate from the Closure Plan.

After grading, Authority staff will seed exposed area with a mix of grasses for revegetation.

This coming winter, the Authority's Program Manager and Del Norte County's Engineering Technician are to inspect the landfill during a downpour when soils are saturated to gather information for additional drainage structure design, if needed.



COUNTY OF DEL NORTE
COMMUNITY DEVELOPMENT DEPARTMENT

981 "H" Street, Suite 110
Crescent City, California 95531

Fax (707) 465-0340

Planning
(707) 464-7254

Engineering & Surveying
(707) 464-7229

Roads
(707) 464-7238

Building Inspection
(707) 464-7253

Environmental Health
(707) 465-0426

May 22, 2013

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

Re: Landfill Drainage Failure Repair

Dear Tedd,

I was directly responsible for the remediation work that was necessary after the failure of many drainage features at the Del Norte County Landfill. That remediation work was carried out under my direction and in accordance with the Final CPCMP and corresponding specification.

Having been directly involved in the remediation work I can certify that the integrity of the liner was not compromised during that remediation effort. The scope of our work did not include removing the soil cover, from the areas that experienced settlement, and inspecting the membranes. Since these membranes are designed to move with the settlement we believe that they are still sound. It is my professional opinion that removing the cover and inspecting the membranes endangers the integrity of the membranes.

If I can provide any additional information please contact me.

Sincerely,

James Barnts
County Engineer





Sheet 1 of 2



**DEL NORTE SOLID WASTE
MANAGEMENT AUTHORITY**

**DRAINAGE FAILURE REPAIR
AT
DECOMMISSIONED LANDFILL**

County of Del Norte
Engineering & Surveying Division
881 "H" Street, Suite 110
Crescent City CA 95531
Ph. (707) 464-7229
Fax 465-0340

NO.	REVISION	BY	DATE



Del Norte Solid Waste Management Authority

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

Staff Report

Date: 22 May 2013
To: Commissioners of the Del Norte Solid Waste Management Authority
From: Tedd Ward, Program Manager *Tedd*
Subject: Status of work by EBA Engineering

Recommendation: No action required, though the Board may comment, suggest revisions, or give further direction to staff regarding the drafts of the attached documents.

Background: In March of this year, the Authority Board ratified the agreement with EBA Engineering to complete two sections of tasks:

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. Brian McNalley of the Del Norte County Environmental Health Department has received notice from CalRecycle that this issue needs to be addressed.

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, and as requested by the North Coast Air Quality Management District.

Analysis: The attached documents include:

1. The Draft Five Year Review Application
2. The Draft Final PostClosure Maintenance Plan Update, including a revised PostClosure Maintenance Cost Estimate
3. A Draft revised Waste In Place Estimate.

Staff are reviewing these drafts, and are being presented to the Board for review and as a report of progress.

13 January 2012

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Fiscal Impact: These documents represent just over 60% completion of the work to be performed under this agreement.

Related Issues: CalRecycle staff requested that Authority staff submit an incomplete application for the Landfill Post-Closure Plan Update (which we have done) so they could acknowledge that this work had begun and would be completed within the next few months.

APPLICATION FOR SOLID WASTE FACILITY PERMIT/WASTE DISCHARGE REQUIREMENTS

CIWMB E-1-77 (Rev. 8-04)

NOTE: This form has been developed for multiple uses. It is the transmittal sheet for documents required to be submitted to the appropriate agency. Please refer to the attached instructions for definitions of terms and for completing this application form in a complete and correct manner.

FOR OFFICIAL USE ONLY

SWIS NUMBER:	FILING FEE:	RECEIPT NUMBER:	DATE RECEIVED:
DATE ACCEPTED:	DATE REJECTED:	ACCEPTANCE DATE OF INCOMPLETE APPLICATION: DATE DUE:	

Part 1. GENERAL INFORMATION

A. ENFORCEMENT AGENCY:
 County of Del Norte, Community Development Department

B. COUNTY:
 Del Norte

C. TYPE OF APPLICATION (Check one box only):

1. NEW SWFP and/or WDRS

2. REVISION OF SWFP and/or WDRS

3. EXEMPTION and/or WAIVER

4. PERMIT REVIEW

5. AMENDMENT OF APPLICATION

6. RFI/ROWD/JTD AMENDMENTS

Part 2. FACILITY DESCRIPTION

A. NAME OF FACILITY:
 Crescent City Landfill

B. LOCATION OF FACILITY:

1. PHYSICAL ADDRESS OR LOCATION AND ZIP CODE:
 End of Hights Access Road off Old Mill Road, Crescent City, CA 95531

2. LATITUDE AND LONGITUDE:
 41.79444 and -124.23056

3. LEGAL DESCRIPTION OF PERMITTED BOUNDARY BY SECTION, TOWNSHIP, RANGE, BASE, AND MERIDIAN, IF SURVEYED:
 Section 7, Township 16 North (T16N), Range 1 West (R1W), Humbolt Baseline and Meridian

C. TYPE OF ACTIVITY: (Check applicable boxes):

1. DISPOSAL

2. COMPOSTING

3. TRANSFORMATION

4. TRANSFER/PROCESSING FACILITY

5. OTHER (describe): Closed Class III Landfill

a. TYPE: _____

a. TYPE: _____

CHECK HERE IF RECYCLABLE MATERIALS ARE RECOVERED PRIOR TO TRANSFER/PROCESSING.

D. CONFORMANCE FINDING INFORMATION (CIWMP):

1. FACILITY IS IDENTIFIED IN (Check one):

SITING ELEMENT DATE OF DOCUMENT March 1998 PAGE # 7

NONDISPOSAL FACILITY EL DATE OF DOCUMENT _____ PAGE # _____

2. FACILITY IS NOT REQUIRED TO BE IDENTIFIED IN SITING ELEMENT OR NONDISPOSAL FACILITY ELEMENT

E. TYPE OF PERMITTED WASTES TO BE RECEIVED: (Check applicable boxes):

1. AGRICULTURAL

2. ASBESTOS Friable Non-friable

3. ASH

4. AUTO SHREDDER

5. COMPOSTABLE MATERIAL (describe): _____

6. CONSTRUCTION/DEMOLITION

7. CONTAMINATED SOILS

8. DEAD ANIMALS

9. INDUSTRIAL

10. INERT

11. LIQUIDS

12. MIXED/MUNICIPAL SOLID WASTE

13. SEWAGE SLUDGE

14. TIRES

15. OTHER (describe): Not Applicable (Closed Landfill)

Part 3. FACILITY INFORMATION

A. PROPOSED CHANGE (Check applicable box(es)):

- 1. DESIGN (describe): _____
- 2. OPERATION (describe): _____
- 3. OWNER, OPERATOR, ADDRESS, AND/OR FACILITY NAME CHANGE (describe): _____
- 4. OTHER (describe): No changes proposed. Application is for permit review purposes only.

B. FACILITY INFORMATION:

1. INFORMATION APPLICABLE TO ALL FACILITIES:

- a. PEAK DAILY TONNAGE OR CUBIC YARDS Not Applicable (Closed Landfill)
 - 1) DISPOSAL/TRANSFER (unit) _____
 - 2) OTHER (unit) _____
- b. DAILY DESIGN TONNAGE (TPD) Not Applicable (Closed Landfill)
- c. FACILITY SIZE (acres) 23 acres
- d. PEAK TRAFFIC VOLUME PER DAY (vpd) Not Applicable (Closed Landfill)
- e. DAYS AND HOURS OF OPERATION Not Applicable (Closed Landfill)

2. ADDITIONAL INFO. REQUIRED FOR COMPOSTING FACILITIES ONLY:

- a. SITE STORAGE CAPACITY (cu yds) _____

3. ADDITIONAL INFORMATION REQUIRED FOR LANDFILLS ONLY:

- a. AVERAGE DAILY TONNAGE (TPD) Not Applicable (Closed Landfill)
- b. SITE CAPACITY CURRENTLY PERMITTED (Airspace) (cu yds) Not Applicable (Closed Landfill)
- c. SITE CAPACITY PROPOSED (Airspace) (cu yds) Not Applicable (Closed Landfill)
- d. SITE CAPACITY USED TO DATE (Airspace) (cu yds) Not Applicable (Closed Landfill)
- e. SITE CAPACITY REMAINING (Airspace) (cu yds) Not Applicable (Closed Landfill)
- f. DATE OF CAPACITY INFORMATION (Date) (See Instructions): Not Applicable (Closed Landfill)
- g. LAST PHYSICAL SITE SURVEY (Date) January 2, 2011
- h. ESTIMATED CLOSURE DATE (month and year) Stopped receiving waste in March 2005. Final closure completed in February 2006.
- i. DISPOSAL FOOTPRINT (acres) 23 acres
- j. SITE CAPACITY PLANNED (cu yds) Not Applicable (Closed Landfill)
- k. 1. (i) IN-PLACE WASTE DENSITY (lbs of waste per cu yd of waste) 750 to 1,100 pounds per cubic yard
AND
(ii) WASTE-TO-COVER RATIO (Estimated) (v.v) _____
OR
2. AIRSPACE UTILIZATION FACTOR (tons of waste per cu yd of landfill airspace) 0.38 tons of waste per cubic yard

Part 4. SOURCE OF WATER SUPPLY (Check applicable boxes)

Not Applicable (Closed Landfill)

- A. MUNICIPAL OR UTILITY SERVICE: _____
- B. INDIVIDUAL (wells): _____
- C. SURFACE SUPPLY:
 - 1. NAME OF STREAM, LAKE, ETC. : _____
 - 2. TYPE OF WATER RIGHTS:
 - RIPARIAN
 - APPROPRIATION
 - 3. STATE PERMIT OR LICENSE NUMBER, IF APPLICABLE: _____

Part 5. COMPLIANCE WITH CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) (Check applicable boxes)

A. CHECK BOX(ES) IF ENVIRONMENTAL DOCUMENT WAS OR WILL BE PREPARED FOR THIS PROJECT AND PROVIDE THE STATE CLEARINGHOUSE NUMBER (SCH#):

- ENVIRONMENTAL IMPACT REPORT (EIR) SCH# _____
- NEGATIVE DECLARATION (ND)/MITIGATED NEGATIVE DECLARATION (MND) SCH# 99032023
- ADDENDUM TO (Identify environmental document) _____ SCH# _____

B. IF ENVIRONMENTAL DOCUMENT(S) WAS NOT PREPARED, PLEASE PROVIDE THE FOLLOWING INFORMATION:

- CATEGORICAL/STATUTORY EXEMPTION (CE/SE) EXEMPTION TYPE _____ GUIDELINE # _____

Part 6. LIST OF ATTACHMENTS (Fill in the date for each document checked)

A. REQUIRED WITH ALL APPLICATION SUBMITTALS:

- | | |
|--|--|
| <input type="checkbox"/> RFI/JTD _____ | <input checked="" type="checkbox"/> ENVIRONMENTAL DOCUMENT(S): |
| <input type="checkbox"/> LOCAL USE/PLANNING PERMITS _____ | <input type="checkbox"/> EIR _____ |
| <input checked="" type="checkbox"/> LOCATION MAP <u>See Attached</u> | <input type="checkbox"/> MND/ND <u>SCH# 99032023</u> |
| <input type="checkbox"/> MITIGATION MONITORING IMPLEMENTATION SCHEDULE _____ | <input type="checkbox"/> EXEMPTION _____ |
| | <input type="checkbox"/> ADDENDUM _____ |

B. ADDITIONAL REQUIRED DOCUMENTS FOR LANDFILLS ONLY:

- | | |
|--|--|
| <input type="checkbox"/> OPERATING LIABILITY FINANCIAL MECHANISM <u>Not Applicable</u> | <input checked="" type="checkbox"/> FINANCIAL RESPONSIBILITY DOCUMENTATION <u>Resolution No. 2008-04</u> |
| <input checked="" type="checkbox"/> CLOSURE/POST CLOSURE MAINTENANCE PLAN | <input type="checkbox"/> LANDFILL CAPACITY SURVEY RESULTS (see instructions) <u>Not Applicable</u> |
| <input type="checkbox"/> PRELIMINARY _____ | |
| <input type="checkbox"/> FINAL <u>April 2013 (Final Postclosure Maintenance Plan, Updated)</u> | |

C. IF APPLICABLE:

- | | |
|--|---|
| <input type="checkbox"/> REPORT OF WASTE DISCHARGE _____ | <input type="checkbox"/> DEPT. OF HEALTH SERVICES PERMIT _____ |
| <input type="checkbox"/> CONTRACT AGREEMENTS _____ | <input type="checkbox"/> SWAT (Air and water) _____ |
| <input type="checkbox"/> STORMWATER PERMIT APPLICATION _____ | <input type="checkbox"/> WETLANDS PERMITS _____ |
| <input type="checkbox"/> NPDES PERMIT APPLICATION _____ | <input type="checkbox"/> VERIFICATION OF FIRE DISTRICT COMPLIANCE _____ |
| <input type="checkbox"/> OTHER _____ | |

Part 7. OWNER INFORMATION (For disposal site, if operator is different from land owner, attach lease or other agreement)

TYPE OF BUSINESS:

- SOLE PROPRIETORSHIP PARTNERSHIP CORPORATION GOVERNMENT AGENCY

OWNER(S) OF LAND

(Name):

County of Del Norte

ADDRESS, CITY, STATE, ZIP

981 H Street, Suite 110, Crescent City, CA 95531

SSN OR TAX ID #

94-2254126

TELEPHONE #:

(707) 464-7229

FAX #:

(707) 465-0340

E-MAIL ADDRESS:

jbarnts@co.del-norte.ca.us

CONTACT PERSON (Print Name):

Jim Barnits, County Engineer

Part 8. OPERATOR INFORMATION (For disposal site, If operator is different from land owner, attach lease or other agreement)

TYPE OF BUSINESS: SOLE PROPRIETORSHIP PARTNERSHIP CORPORATION GOVERNMENT AGENCY

FACILITY OPERATOR(S) (Name): Del Norte Solid Waste Management Authority	SSN OR TAX ID #: 94-2254126
ADDRESS, CITY, STATE, ZIP 1700 State Street, Crescent City, CA 95531	TELEPHONE #: (707) 465-1100
	FAX #: (707) 465-1300
	E-MAIL ADDRESS: kevin@recycledelnorte.ca.gov
	CONTACT PERSON (Print Name): Kevin Hendrick, Director

ADDRESS WHERE LEGAL NOTICE MAY BE SERVED:
Del Norte Solid Waste Management Authority, 1700 State Street, Crescent City, CA 95531

Part 9. SIGNATURE BLOCK

Owner: **County of Del Norte**

I certify under penalty of perjury that the information I provided for this application and for any attachments is true and accurate to the best of my knowledge and belief. I am aware that the operator intends to operate a solid waste facility at the site specified above pursuant to this application and understand that I may be responsible for the site should the operator fail to meet applicable requirements.

SIGNATURE (LAND OWNER OR AGENT):

PRINTED NAME:

Jim Barnts

TITLE: **County Engineer**

DATE:

Operator: **Del Norte Solid Waste Management Authority**

I certify under penalty of perjury that the information contained in this application and all attachments are true and accurate to the best of my knowledge and belief.

SIGNATURE (FACILITY OPERATOR OR AGENT):

PRINTED NAME:

Kevin Hendrick

TITLE: **Director**

DATE:

Part 10. OTHER (Attach additional sheets to explain any responses that need clarification).

DRAFT

April 17, 2013

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

**RE: FINAL POSTCLOSURE MAINTENANCE PLAN UPDATE
CRESCENT CITY LANDFILL, DEL NORTE COUNTY, CALIFORNIA
EBA JOB No. 13-1902 (TASK A3)**

Dear Mr. Ward:

EBA Engineering (EBA) has reviewed the existing Final Postclosure Maintenance Plan (FPMP) and associated amendment prepared by Brown, Vence & Associates (BV&A) dated November 1995 and May 2005, respectively, for the Crescent City Landfill (Landfill) as part of the permit review process mandated by the Del Norte County Local Enforcement Agency (LEA) and California Department of Resources Recycling and Recover (CalRecycle). The purpose of EBA's review was to evaluate the existing plans to determine the need for potential modifications and/or additions based on current site conditions and requirements set forth in Title 27 of the California Code of Regulations (27CCR). Findings from EBA's review found the existing documents to be generally compliant with the postclosure maintenance requirements stipulated in 27CCR and revealed no basis for substantive changes, with the exception of updating miscellaneous monitoring and contact information that has changed since the previous submittals and to bring current the postclosure maintenance cost estimate. The following sections summarize the noted revisions.

WATER MONITORING

The existing FPMP was developed under Monitoring and Reporting (M&RP) No. 94-135 as issued by the California Regional Water Quality Control Board, North Coast Region (RWQCB) on December 8, 1994. That permit has since been replaced by M&RP No. 97-90. Since adoption of M&RP No. 97-90, the groundwater monitoring network has increased from ten to 17 monitoring wells. Conversely, the monitoring and reporting frequency has been reduced from quarterly to semi-annual. Minor changes have also occurred for leachate, surface water, and storm water monitoring. Please refer to Figure 1 (Attachment 1) for an updated site plan illustrating the various water monitoring locations. Table 1 (Attachment 2), in turn, provides an updated monitoring schedule that summarizes the respective monitoring and reporting frequencies and scope of field/laboratory testing required under M&RP No. 97-90.

GAS MONITORING

Since preparation of the existing FPMP, the gas monitoring network has been expanded to include 17 gas monitoring points (GMP-1 through GMP-17), in addition to eight gas compliance wells. The gas compliance wells are monitored and reported on a quarterly basis in accordance with 27CCR, §20933 and §20934. Although the gas monitoring points are not part of the Landfill's 27CCR monitoring network, they are monitored in the same manner and at the same frequency as the gas compliance wells. Please refer to Figure 2 (Attachment 1) for an updated site plan illustrating the various gas monitoring locations and Table 1 (Attachment 2) for the corresponding monitoring schedule that summarizes the respective monitoring and reporting frequencies.

In addition to the aforementioned gas monitoring network, the Landfill is equipped with a passive gas collection system. This system consists of 47 surface vents that are interconnected via an underground conveyance piping network. The locations of the respective surface vents are shown on Figure 3 (Attachment 1).

INSPECTIONS

An updated inspection schedule is presented as Table 2 (Attachment 2). This schedule integrates the inspections currently described in the existing FPMP with the required inspections and frequencies stipulated in M&RP No. 97-90. The updated schedule also provides descriptions for the various types of inspections and the corresponding reporting frequencies.

CONTACT INFORMATION

Table 3 (Attachment 2) provides updated contact information for the various references outlined in the existing FPMP and the associated Emergency Response Plan (ERP). The nature of the information provided includes responsible parties, emergency response contacts and notifications for fires, explosions and/or other qualifying incidents, and regulatory notifications. Also provided are names and telephone numbers for the acquisition of emergency response equipment.

POSTCLOSURE MAINTENANCE COST ESTIMATE

The postclosure maintenance cost estimate presented in the existing FPMP was reviewed and updated as appropriate to account for any changes that have occurred and to generate costs for implementation in 2013 dollars. Costs were developed based on relevant experience, recently bid projects of similar scope, cost quotations from vendors, and RS Means[®] cost data (2013). An Eastin Bill cost estimate worksheet and supporting spreadsheet are enclosed in Attachment 3. As presented in Attachment 3, the updated annual cost for postclosure maintenance is \$96,861, which equates to a total postclosure maintenance cost of \$2,227,799 for the remaining 23 years of the postclosure maintenance period. The updated annual cost is approximately \$22,700 per

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year less than the previous annual cost estimate of \$88,299 when adjusted for inflation (\$119,530). The reason for the decrease can be attributed primarily to the reduction in groundwater level monitoring from weekly to semi-annual, and groundwater sampling from quarterly to semi-annual.

CLOSING

EBA appreciates the opportunity to be of service to the Authority on this project. 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 - Figures
Attachment 2 - Tables
Attachment 3 - Postclosure Maintenance Cost Estimate

ATTACHMENT 1

FIGURES

WATER MONITORING NETWORK

CRESCENT CITY LANDFILL
DEL NORTE COUNTY, CALIFORNIA

13-1902

FIGURE 1

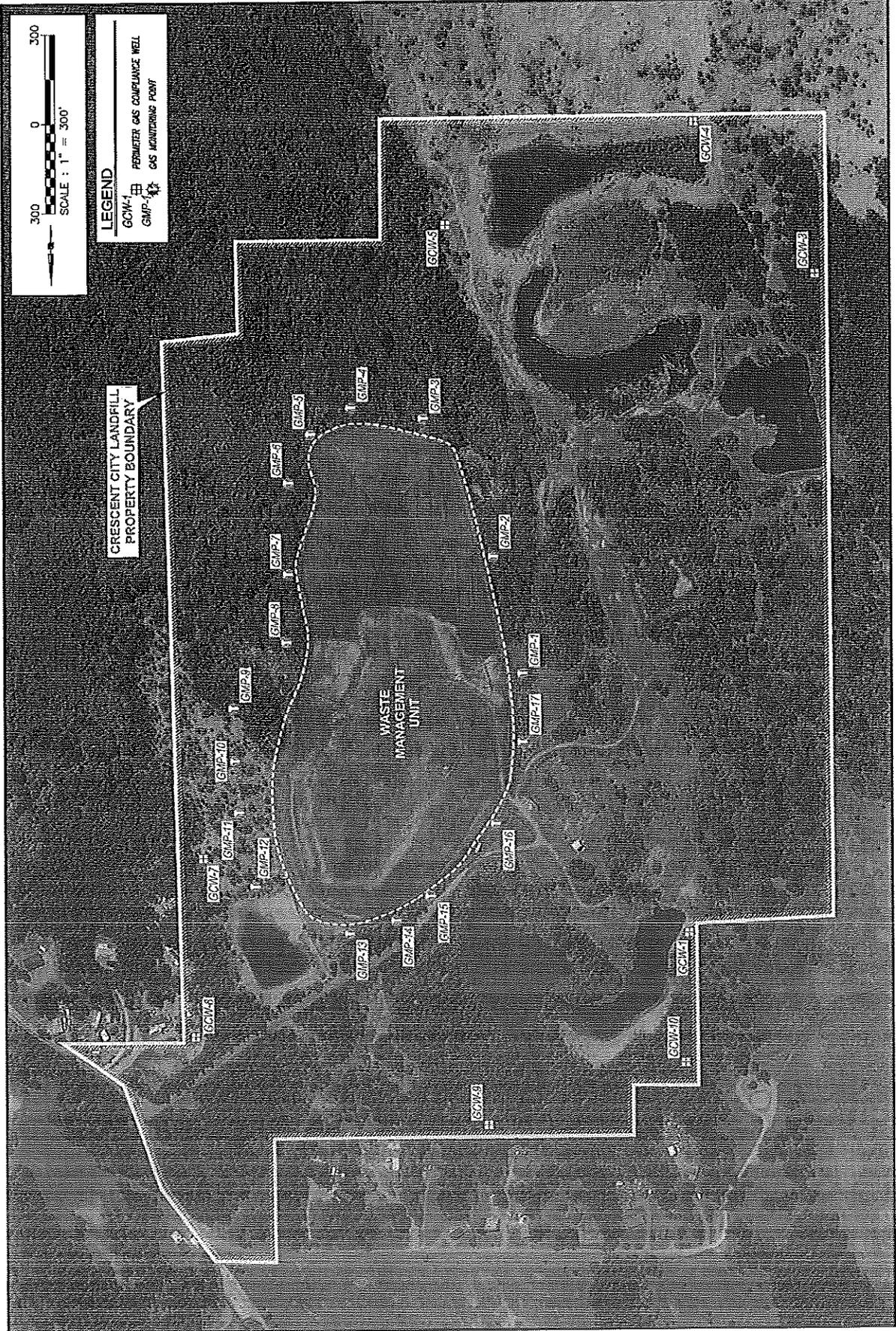




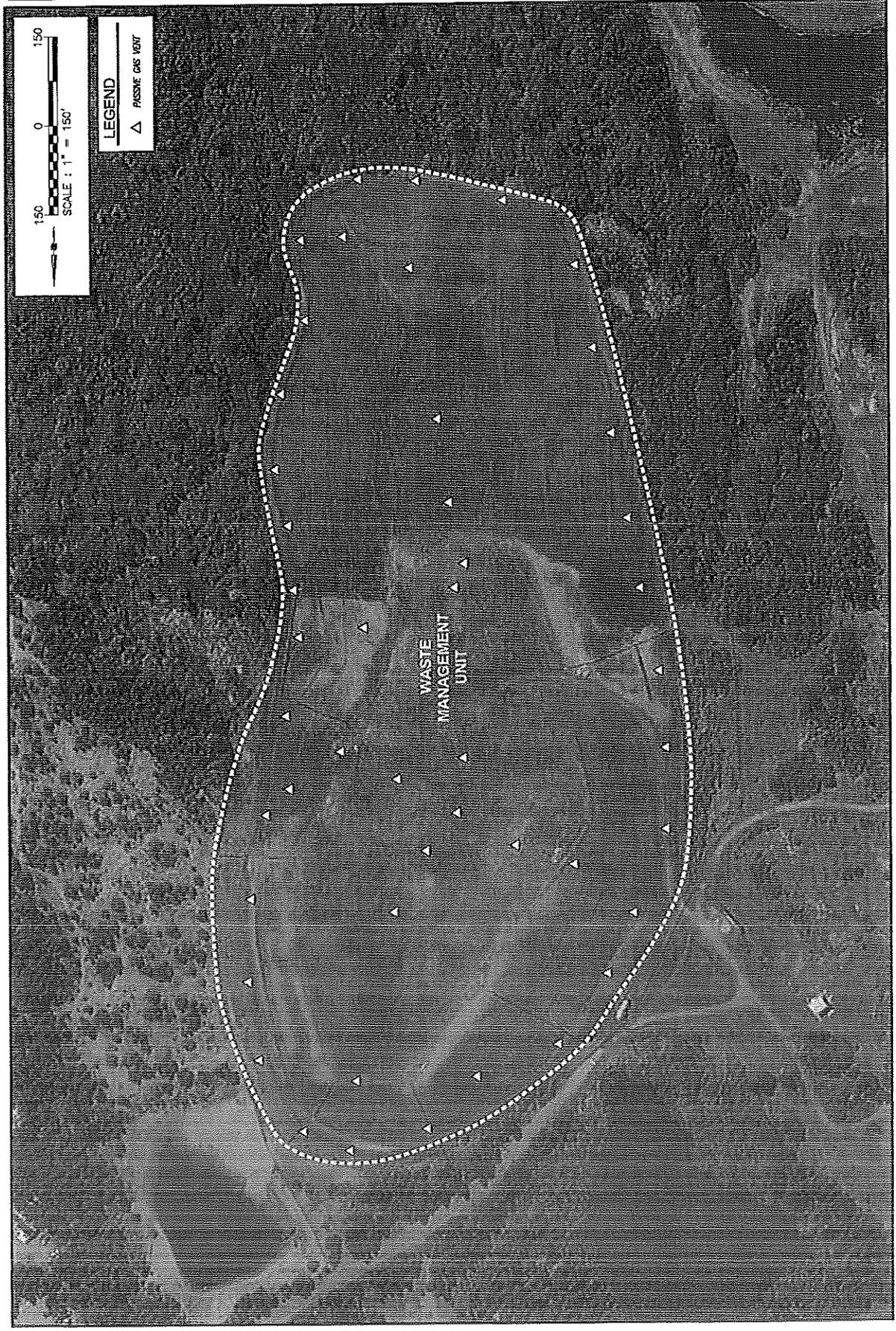
GAS MONITORING NETWORK

CRESCENT CITY LANDFILL
DEL NORTE COUNTY, CALIFORNIA

FIGURE 2
13-1902



PASSIVE GAS COLLECTION SYSTEM
CRESCENT CITY LANDFILL
DEL NORTE COUNTY, CALIFORNIA



ATTACHMENT 2

TABLES

TABLE 1
FINAL POSTCLOSURE MAINTENANCE
ENVIRONMENTAL MONITORING SCHEDULE
CRESCENT CITY LANDFILL

<i>Groundwater⁽¹⁾</i>			
<i>Identification</i>	<i>Monitoring Frequency</i>	<i>Field / Laboratory Testing</i>	<i>Reporting Frequency</i>
<i>Shallow Wells:</i> W1S, W3S, W6ES, W8S, W9S, W10S, WE1S, WE3S, SM7	Semi-Annual	<i>Depth to Water:</i> All Wells (shallow, marsh layer and deep)	Semi-Annual
<i>Marsh Layer Wells:</i> SM6, W6WD	Semi-Annual	<i>Laboratory Testing:</i> All Wells (shallow, marsh layer and deep) Volatile Organic Compounds, Chemical Oxygen Demand, Total Dissolved Solids, ICAP Metals, Nitrate, Bicarbonate Alkalinity, Carbonate Alkalinity, ph, Hardness, Specific Conductance, Calcium, Potassium, Fluoride, Total Alkalinity, Sulfate	Semi-Annual
<i>Deep Wells:</i> W1D, W2D, W9D, WE1D, WE2D, WE3D	Semi-Annual		Semi-Annual
<i>Surface Water⁽¹⁾</i>			
<i>Identification</i>	<i>Monitoring Frequency</i>	<i>Field / Laboratory Testing</i>	<i>Reporting Frequency</i>
S-1, S-2, S-3	N / J / M / A	Turbidity, pH, Chemical Oxygen Demand, Acetone, Total Petroleum Hydrocarbons, Settleable Solids, Flowrate, Nitrate-Nitrogen, ICAP Metals	Semi-Annual
<i>Storm Water⁽¹⁾</i>			
<i>Identification</i>	<i>Monitoring Frequency</i>	<i>Field / Laboratory Testing</i>	<i>Reporting Frequency</i>
SW-3, SW-8, SW-20	N / J / M	Turbidity, pH, Chemical Oxygen Demand, Settleable Solids, Flowrate, Nitrate-Nitrogen	Semi-Annual
<i>Leachate</i>			
<i>Identification</i>	<i>Monitoring Frequency</i>	<i>Field / Laboratory Testing</i>	<i>Reporting Frequency</i>
L-1, L-2, L-3	Semi-Annual	<i>Depth to Water:</i> L-1, L-2, L-3 <i>Laboratory Testing:</i> L-3 Volatile Organic Compounds, Chemical Oxygen Demand, Total Dissolved Solids, ICAP Metals, Nitrate, Bicarbonate Alkalinity, Carbonate Alkalinity, ph, Hardness, Specific Conductance, Calcium, Potassium, Fluoride, Total Alkalinity, Sulfate	Semi-Annual
<i>Landfill Gas⁽²⁾</i>			
<i>Identification</i>	<i>Monitoring Frequency</i>	<i>Field Monitoring</i>	<i>Reporting Frequency</i>
<i>Perimeter Gas Compliance Wells:</i> GCW-1, GCW-3, GCW-4, GCW-5, GCW-7 through GCW-10	Quarterly	Methane	Quarterly
<i>Gas Monitoring Points:</i> GMP-1 through GMP-17	Quarterly	Methane	Quarterly

ICAP: Inductively Coupled Argon Plasma
 N / J / M / A: November, January, March, August

(1): Per Monitoring and Reporting Program No. 97-90.

(2): Per Title 27, Sections 20932, 20933 and 20934.

TABLE 2
FINAL POSTCLOSURE MAINTENANCE
INSPECTION SCHEDULE
CRESCENT CITY LANDFILL

<i>Type of Inspection</i>	<i>Inspection Frequency ⁽¹⁾</i>	<i>Description</i>	<i>Reporting Frequency ⁽²⁾</i>
Leachate Seeps	Monthly ⁽²⁾	Inspect for evidence of leachate seeps.	Semi-Annual
Final Cover Integrity / Grades	Monthly ⁽²⁾	Inspect final cover to identify areas of the cap damaged by settlement, subsidence, and/or erosion. Also identify areas susceptible to ponding.	Semi-Annual
Drainage System	Monthly ⁽²⁾	Inspect drainage system components to identify structural damages that require repair, determine need for removal of sediment and large debris from drainage channels and sedimentation basins, and evaluate mowing and trimming needs for grass-lined ditches.	Semi-Annual
Vegetated Layer	Annual ⁽⁴⁾	Inspect the vegetated layer to identify areas that require reseeding. Also identify fugitive plant species with deep root systems that require removal to protect final cover.	Annual
Groundwater Monitoring Wells	Semi-Annual	Inspect the condition of groundwater monitoring wells and identify the need for any repairs. Perform inspections as part of routine sampling events.	Semi-Annual
Gas Monitoring Wells	Quarterly	Inspect the condition of gas monitoring points and gas compliance wells and identify the need for any repairs. Perform inspections as part of routine monitoring events.	Quarterly
Passive Gas Vents	Annual	Inspect the condition of passive gas vents and identify the need for any repairs.	Annual
Provisional - Storm Events	Weekly	Inspect landfill for damages at least once per week during storm periods.	Semi-Annual
Provisional - Seismic Activity	Per Event	Inspect landfill for damages following seismic activity.	Semi-Annual

- (1): Per Monitoring and Reporting Program No. 97-90 and/or Final Postclosure Maintenance Plan.
(2): Monthly between October and April.
(3): Monthly between October and April, and once during dry season.
(4): Annually prior to the rainy season.

TABLE 3
FINAL POSTCLOSURE MAINTENANCE
RESPONSIBLE PARTIES AND EMERGENCY CONTACT INFORMATION
CRESCENT CITY LANDFILL

FPMP Document Reference	Contact Information
Section 4.1 - Responsible Parties	Del Norte Solid Waste Management Authority Kevin Hendrick, Director 1700 State Street Crescent City, CA 95531 (707) 465-1100
ERP Document Reference	Contact Information
Section 1.0 - Introduction	<i>ERP Location:</i> Del Norte Solid Waste Management Authority 1700 State Street Crescent City, CA 95531
Section 2.2 - Fires	Fire Department: (707) 464-2421
Section 2.3 - Explosions	Fire Department: (707) 464-2421 Sheriff: (707) 464-4191
Section 3.0 - Response Procedures	<i>Notifications:</i> Kevin Hendrick, Director Del Norte Solid Waste Management Authority (707) 465-1100 (business hours) (707) 464-2254 (non-business hours) Maria Isabel Valdez, Administrative Assistant (707) 465-1100 (business hours) (707) 954-9096 (non-business hours) Fire Department: (707) 464-2421 Sheriff: (707) 464-4191
Section 3.1 - Availability of Emergency Response Equipment	Del Norte County Road Department: (707) 464-7238 Hemmingson Construction: (707) 464-3659 Ace Hardware Rentals: (707) 465-5865
Section 3.2 - Regulatory Notification	County of Del Norte, Community Development Department: (707) 464-7229 Fire Department: (707) 464-2421 Sheriff: (707) 464-4191 State of California, Department of Toxic Substances Control Toxic Substances Control Program Region 2 Site Mitigation Unit 700 Heinz Avenue, Suite 200 Berkeley, CA 94710-2721 (510) 540-2122 State of California, Department of Resources Recycling and Recovery 1001 "I" Street, P.O. Box 4025 Sacramento, CA 95812-4-25 (916) 322-4027 State of California, Regional Water Quality Control Board, North Coast Region 5550 Skylane Boulevard Santa Rosa, CA 95403 (707) 576-2220

FPMP: Final Postclosure Maintenance Plan
ERP: Emergency Response Plan

ATTACHMENT 3
POSTCLOSURE MAINTENANCE
COST ESTIMATE

**FINAL POSTCLOSURE MAINTENANCE
COST ESTIMATE WORKSHEET**

CRESCENT CITY LANDFILL

PREPARED BY: EBA ENGINEERING

GENERAL SITE INFORMATION

Name of Solid Waste Landfill: Crescent City Landfill
Solid Waste Facilities Permit Number: 08-AA-0006
Facility Operator: Del Norte Solid Waste Management Authority
Site Owner: County of Del Norte
Site Location: Section 7, Township 16 North, Range 1 West,
Humbolt Baseline and Meridian
Assessors Parcel Number: 110-020-08, 110-020-043 and 110-020-069
Site Address: End of Hights Access Road off Old Mill Road,
Crescent City, CA 95531

Size of Waste Mangement Unit (WMU): 23 acres

FINAL POSTCLOSURE MAINTENANCE COSTS

Revegetation

37. Planting/Fertilizing/Mulching

- | | |
|---|---------|
| a. Area (acres) | 2.3 |
| Assumes 10 percent of WMU area will require annual hydroseeding and revegetation. | |
| b. Type of vegetation/fertilizer/mulch | |
| Grass/Wildflower Seed + N-K-P Fertilizer + Mulch. | |
| c. Unit cost (\$/acre/yr) | \$2,463 |
| See "Supporting Calculations Worksheet" for cost basis. | |
| d. Planting/fertilizing/mulching cost (\$/yr)
(Line 37a x Line 37c) | \$5,665 |

38. Irrigation

a. Type of irrigation system	Not Applicable
No irrigation of site is performed or required.	
b. Quantity (gallon/day)	
c. Unit cost (\$/gallon)	\$0.00
d. How many irrigation days per week?	
e. Annual irrigation costs (\$/yr) {(Line 38b x Line 38c) x Line 38d} x 52 wk/yr	\$0
f. Annual maintenance costs (\$/yr)	\$0
g. Irrigation costs (\$/yr) (Line 38e + Line 38f)	\$0
39. Revegetation Cost Subtotal (\$/yr) (Line 37d + Line 38g)	\$5,665

Leachate Management

40. Does the solid waste disposal site have a liner?	No
41. Does the landfill have a leachate collection/removal system? (e.g., leachate barrier and recovery system, dendritic system)	No
If YES,	
a. What type of system?	Not Applicable
b. Annual cost of operation and maintenance of system	\$0
42. List types of leachate (including leachate-affected water and landfill gas condensate) treatment used and that will continue to be used during closure and postclosure maintenance (e.g., discharge to sewer, on-site or off-site management).	
a. Type of treatment (On-Site)	Not Applicable
b. Volume/unit frequency (gallons/day)	
c. Unit cost of treatment (\$/gallon)	\$0.00
d. Annual costs of on-site treatment (\$/yr)	\$0.00

43. Type of Treatment (Off-Site)	Not Applicable
a. Volume/unit frequency (gallons/day)	0
b. Unit cost of treatment (\$/gallon)	\$0.00
c. Annual costs of off-site treatment (\$/yr)	\$0.00
d. Other (explain)	
44. Leachate Sampling and Testing	
a. Number of samples/round	1
WMU contains three (3) leachate monitoring wells. Only one well (L-3) used for sampling purposes.	
b. Sampling costs/round (\$)	\$150
See "Supporting Calculations Worksheet" for cost basis.	
c. Frequency of sampling per year	2
Semi-Annual	
d. Annual sampling costs (\$/yr) (Line 45b x Line 45c)	\$300
e. Testing costs/sample (\$)	\$547
See "Supporting Calculations Worksheet" for cost basis.	
f. Annual testing costs (\$/yr) (Line 45a x Line 45c x Line 45e)	\$1,094
g. Annual sampling/testing cost subtotal (\$) (Line 45d + Line 45f)	\$1,394
45. Leachate Management Cost Subtotal (\$/yr) (Line 41b + Line 42d + Line 43c + Line 44g)	\$1,394

Environmental Monitoring

46. Gas Monitoring Systems	
a. Monitoring device(s) of principal gases	
Portable Landfill Gas (LFG) Meter	
b. Frequency of monitoring (e.g., daily, weekly, monthly)	4
Quarterly	

c. On-site annual monitoring and reporting costs for principal gases (\$/yr)	\$7,320
See "Supporting Calculations Worksheet" for cost basis.	
d. Annual sampling costs for trace gases (\$/yr)	\$0
Not Applicable. Trace gas testing not required as part of monitoring program.	
e. Annual testing costs for trace gases (\$/yr)	\$0
f. Assumed replacement frequency, of probes, in years.	20
g. Number of probes	25
Eight (8) gas compliance wells and 17 gas monitoring points.	
h. Installation unit cost of probes (\$)	\$1,045
Based on average well/point completion depth of 5 feet below ground surface (BGS). See "Supporting Calculations Worksheet" for cost basis.	
i. Annual replacement costs (\$) (Line 46g x Line 46h) / Line 46f	\$1,306
j. Annual maintenance costs (\$/yr)	\$250
See "Supporting Calculations Worksheet" for cost basis.	
k. Gas monitoring subtotal (\$/yr) (Line 46c + Line 46d + Line 46e + Line 46i + Line 46j)	\$8,876
47. Unsaturated Zone Monitoring	
Is the unsaturated zone monitored at this landfill?	No
If YES,	
a. What type of monitoring procedures and equipment are utilized? (e.g., vacuum/pressure lysimeter)	
b. How many monitoring devices are utilized?	
c. Annual sampling costs (\$/yr)	\$0
d. Annual testing costs (\$/yr)	\$0
e. Assumed replacement frequency, of devices, in years.	Not Applicable
f. Installation unit cost of devices. (\$)	\$0
g. Annual replacement cost (\$/yr) (Line 47b x Line 47f) / Line 47e	\$0

h. Annual maintenance costs (\$/yr)	Not Applicable
i. Unsaturated zone monitoring subtotal (\$/yr) (Line 47c + Line 47d + Line 47g + Line 47h)	\$0
48. Groundwater Monitoring	
a. Number of wells	17
b. Frequency of monitoring, per year	2
Semi-Annual	
c. Analytical methods	
Per Monitoring & Reporting Program No. 97-90.	
d. Number of samples/round per well	1
e. Testing costs/sample (\$)	\$547
See "Supporting Calculations Worksheet" for cost basis.	
f. Annual groundwater testing costs (\$/yr) (Line 48a x Line 48b x Line 48d x Line 48e)	\$18,598
g. Annual monitoring and reporting costs (\$/yr)	\$10,300
See "Supporting Calculations Worksheet" for cost basis.	
h. Assumed replacement frequency, of wells, in years.	15
i. Installation unit cost of wells (\$)	\$5,785
Based on 2" well with average completion depth of 35 feet BGS. See "Supporting Calculations Worksheet" for cost basis.	
j. Annual replacement cost (\$/yr) (Line 48a x Line 48i) / Line 48h	\$6,556
k. Annual maintenance costs (\$/yr)	\$2,700
See "Supporting Calculations Worksheet" for cost basis.	
l. 5-year groundwater monitoring cost (\$)	\$17,645
See "Supporting Calculations Worksheet" for cost basis.	
m. 5-year groundwater monitoring normalized cost per year (\$/yr)	\$3,529
n. Groundwater monitoring subtotal (\$/yr) (Line 48f + Line 48g + Line 48j + Line 48k + 48m)	\$41,683

49. Surface Water Monitoring

a. Number of locations	3
b. Frequency of monitoring, per year	4
November, January, March and August	
c. Analytical methods	
Per Monitoring & Reporting Program No. 97-90.	
d. Number of samples/round per location	1
e. Testing costs/sample (\$)	\$458
See "Supporting Calculations Worksheet" for cost basis.	
f. Annual surface water testing costs (\$/yr) (Line 49a x Line 49b x Line 49d x Line 49e)	\$5,496
g. Annual monitoring and reporting costs (\$/yr)	\$1,880
See "Supporting Calculations Worksheet" for cost basis.	
h. Surface water monitoring subtotal (\$/yr) (Line 49f + Line 49g)	\$7,376
50. Environmental Monitoring Cost Subtotal (\$/yr) (Line 46k + Line 47i + Line 48n + Line 49h)	\$57,936

Drainage Maintenance

51. How often do you anticipate the need to perform maintenance activities (e.g., clear material from runoff surface water conveyances, erosion repair, minor grading, repair of articulated drains; also problems with runoff maintenance and repairs of levees, dikes, protective berms)?	
Semi-annually	
a. Annual Drainage Maintenance Cost Subtotal (\$/yr)	\$11,780

Security

52. What are the estimated annual maintenance costs to repair/replace fencing, gates, locks, signs, and/or other security equipment at the landfill site? (\$/yr)	\$2,380
---	---------

Inspection

53. What will be the routine maintenance inspection frequency of the landfill during postclosure (minimum semi-annually)?

Per Monitoring & Reporting Program No. 97-90.

a. Number of inspections per year 12

Monthly during the period of October through April, and once in July.
Weekly during storm periods. Assume four weekly inspections per year.

b. Inspection unit cost (\$) \$340

c. Annual Inspection Cost Subtotal during the Postclosure Care Period? (\$/yr) \$4,080

Components that should be inspected include, but are not limited to:

- o Final cover - erosion damage, vegetative impacts, etc.
- o Final grading - ponding caused by settlement
- o Drainage control systems - continuity of articulated drains, sediment choked conduits
- o Passive LFG control system components
- o Security - gates and berms/side slopes
- o Vector and fire control
- o Monitoring equipment

Supplemental Data

54. Itemize annual costs, on additional worksheets, for monitoring and postclosure maintenance procedures, specific to this solid waste disposal site, and attach at the end of this worksheet. Make sure each page is appropriately labeled with site name and SWIS number.

Other- Annual Postclosure Maintenance Costs \$13,626

See "Supporting Calculations Worksheet" for cost basis.

**SUMMARY OF FINAL POSTCLOSURE COST ESTIMATES
CRESCENT CITY LANDFILL**

Facility Name	Crescent City Landfill	SWIS #	08-AA-0006
Monitoring and Postclosure Maintenance Cost			
	Revegetation (Line 39)		\$5,665
	Leachate Management (Line 45)		\$1,394
	Environmental Monitoring (Line 50)		\$57,936
	Drainage Maintenance (Line 51a)		\$11,780
	Security (Line 52)		\$2,380
	Inspection (Line 53c)		\$4,080
	Other (Line 54)		\$13,626
	Subtotal		\$96,861
	Subtotal x 23 years Postclosure Care		\$2,227,799

**FINAL POSTCLOSURE MAINTENANCE COST ESTIMATE
SUPPORTING CALCULATIONS WORKSHEET**

**CRESCENT CITY LANDFILL
SWFP No. 08-AA-0006**

Note: Unless otherwise noted under "Source / Assumptions" column, prices are based on relevant experience and recently bid/d projects of similar scope and are representative of current dollars.

REVEGETATION

- Line 37a: Area (acres)*
- Total Acreage of Waste Management Unit (WMU): 23.0 AC
- Annual Percentage Requiring Revegetation: 10 percent
- Annual Acreage Requiring Revegetation: 2.3 AC

Line 37c: Unit Cost (\$/acre/yr)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor - Coordination and Management	\$85 /hr.	8	\$680	
Labor - Field Equipment (hydroseed)	\$700 /AC	1.0	\$700	RSMMeans 2013
Materials (seed, fertilizer and mulch)	\$518 /AC	1.0	\$518	RSMMeans 2013
	\$565 /AC	1.0	\$565	RSMMeans 2013
		<i>Extended Total:</i>	\$ 2,463	

LEACHATE MANAGEMENT

- Line 44a: Number of samples per round*
- Based on three (3) leachate monitoring wells 3 ea.

Line 44b: Sampling costs/round (\$)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor - Coordination and Management	\$85 /hr.	0	\$0	Included under groundwater monitoring (Line 48g).
Labor - Sampling (L-3 only) Monitoring Equipment	\$75 /hr.	2	\$150	Mobilization included under groundwater monitoring (Line 48g).
	\$50 /day	0	\$0	Included under groundwater monitoring (Line 48g).
		<i>Extended Total:</i>	\$150	

Line 44c: Testing costs/sample (\$)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Chemical Oxygen Demand	\$30 ea.	1	\$30	Scope of testing per Monitoring & Reporting Program No. 97-50.
Total Dissolved Solids	\$20 ea.	1	\$20	Prices based on 4/3/13 cost quote from North Coast Laboratories Ltd., Arcata, CA.
ICAP Metals + Mg, Na, Hardness, Ca and K	\$225 ea.	1	\$225	
Nitrate	\$18 ea.	1	\$18	
Total and Speciated Alkalinity	\$0 ea.	1	\$0	No charge. Values are calculated.
Fluoride and Sulfate	\$54 ea.	1	\$54	
Volatile Organic Compounds	\$200 ea.	1	\$200	
		<i>Extended Total:</i>	\$547	

ENVIRONMENTAL MONITORING - GAS

Line 46c: Annual monitoring and reporting costs (\$/yr)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor - Coordination and Management	\$85 /hr.	4	\$340	
Labor - Mobilization / Sampling	\$75 /hr.	11	\$825	
Monitoring Equipment - Portable LFG Meter	\$100 /day	1	\$100	
Materials	\$50 LS	1	\$50	
Labor - Report Preparation / Management	\$85 /hr.	4	\$340	
Labor - Report Review / Certification	\$125 /hr.	1	\$125	
Labor - Clerical	\$50 /hr.	1	\$50	
<i>Subtotal per Event:</i>			<i>\$1,830</i>	
Number of Events per Year:			4	
<i>Extended Total:</i>			<i>\$7,320</i>	

Line 46d: Installation unit cost of probes (\$)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Drill Rig - Mobilization / Drilling	\$185 /hr.	3	\$555	Assumes probe completion depth of 5 feet below ground surface (BGS).
Materials	\$100 LS	1	\$100	
Labor - Geologist (Installation / Management)	\$85 /hr.	4	\$340	
Materials	\$50 LS	1	\$50	
<i>Extended Total:</i>			<i>\$1,045</i>	

Line 46e: Annual maintenance costs (\$/yr)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor - Maintenance	\$75 /hr.	2	\$150	
Materials	\$100 LS	1	\$100	
<i>Extended Total:</i>			<i>\$250</i>	

ENVIRONMENTAL MONITORING - GROUNDWATER

Line 48c: Testing costs/sample (\$)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Chemical Oxygen Demand	\$30 ea.	1	\$30	Scope of testing per Monitoring & Reporting Program No. 97-90.
Total Dissolved Solids	\$20 ea.	1	\$20	Prices based on 4/3/13 cost quote from North Coast Laboratories Ltd., Arcata, CA.
ICAP Metals + Mg, Na, Hardness, Ca and K	\$225 ea.	1	\$225	
Nitrite	\$18 ea.	1	\$18	
Total and Speciated Alkalinity	\$0 ea.	1	\$0	No charge. Values are calculated.
Fluoride and Sulfate	\$54 ea.	1	\$54	
Volatile Organic Compounds	\$200 ea.	1	\$200	
<i>Extended Total:</i>			<i>\$547</i>	

Line 48g: Annual monitoring and reporting costs (\$/yr)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor - Mobilization / Sampling	\$75 /hr.	24	\$1,800	Based on the sampling of 17 wells.
Monitoring Equipment - DTW Sounder + Parameter Meter	\$50 /day	3	\$150	
Materials	\$100 /day	3	\$300	
<i>Subtotal per Event:</i>			<i>\$2,250</i>	
Number of Events per Year:			2	
<i>Sampling Subtotal per Year:</i>			<i>\$4,500</i>	

Labor - Semi-Annual Report Preparation / Management
 Labor - Semi-Annual Report Review / Certification
 Labor - Semi-Annual Clerical
 Labor - Annual Report Preparation / Management
 Labor - Annual Report Review / Certification
 Labor - Annual Clerical

\$85 /hr. 24 \$2,040
 \$125 /hr. 2 \$250
 \$50 /hr. 2 \$100
 \$85 /hr. 36 \$3,060
 \$125 /hr. 2 \$250
 \$50 /hr. 2 \$100
 Reporting Subtotal per Year: \$5,800
 Extended Total: \$10,300

Line 48i: Installation unit cost of wells (\$)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Coordination and Permitting	\$500 LS	1	\$500	
Drill Rig - Mobilization / Drilling	\$185 /hr.	8	\$1,480	Assumes 2" well with completion depth of 35 feet BGS.
Materials	\$30 /ft.	35	\$1,050	
Labor - Installation / Management	\$85 /hr.	12	\$1,020	
Labor - Well Development	\$75 /hr.	6	\$450	
Materials + Equipment	\$100 LS	1	\$100	
Surveying	\$500 LS	1	\$500	
Labor - Reporting	\$85 /hr.	6	\$510	
Labor - Report Review	\$125 /hr.	1	\$125	
Labor - Clerical	\$50 /hr.	1	\$50	
Extended Total:			\$5,785	

Line 48j: Annual maintenance costs (\$/yr)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor - Maintenance	\$75 /hr.	16	\$1,200	
Materials	\$1,500 LS	1	\$1,500	
Extended Total:			\$2,700	

Line 48k: 5-year groundwater monitoring cost (\$)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Semi-Volatile Organic Compounds	\$225 ea.	18	\$4,050	Based on testing of 17 groundwater wells and one leachate well (L-3).
Chlorinated Herbicides	\$150 ea.	18	\$2,700	Sampling costs already included as part of routine monitoring (Lines 44b and 48g).
PCBs	\$135 ea.	18	\$2,430	Prices based on 4/12/13 cost quote from North Coast Laboratories Ltd., Arcata, CA.
Organochlorine Pesticides	\$140 ea.	18	\$2,520	
Organophosphorus Pesticides	\$150 ea.	18	\$2,700	
Total Cyanide	\$80 ea.	18	\$1,440	
Total Sulfide	\$50 ea.	18	\$900	
Testing Subtotal per Event:			\$16,740	
Labor - Additional Report Preparation / Management	\$85 /hr.	8	\$680	
Labor - Additional Report Review	\$125 /hr.	1	\$125	
Labor - Additional Clerical	\$50 /hr.	2	\$100	
Reporting Subtotal per Event:			\$905	
Extended Total:			\$17,645	

Line 48m: 5-year groundwater monitoring normalized cost per year (\$/yr)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
5-year Groundwater Monitoring Testing and Reporting Cost	\$17,645 /event	1	\$17,645	
Frequency Interval:		5		
Extended Total:			\$3,529	

ENVIRONMENTAL MONITORING - SURFACE WATER

Line 49c: Testing costs/sample (\$)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Acetone	\$85 ea.	1	\$85	Scope of testing per Monitoring & Reporting Program No. 97-90. Prices based on 4/3/13 cost quote from North Coast Laboratories Ltd., Arcata, CA.
Chemical Oxygen Demand	\$30 ea.	1	\$30	
ICAP Metals	\$225 ea.	1	\$225	
Nitrate-Nitrogen	\$18 ea.	1	\$18	
Settleable Solids	\$15 ea.	1	\$15	
Turbidity	\$15 ea.	1	\$15	
Total Petroleum Hydrocarbons	\$70 ea.	1	\$70	
Extended Total:			\$458	

Line 49g: Annual monitoring and reporting costs (\$/yr)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor - Coordination and Management	\$85 /hr.	2	\$170	Based on the sampling of 3 locations.
Labor - Mobilization / Sampling	\$75 /hr.	3	\$225	
Monitoring Equipment - Parameter Meter	\$25 /day	1	\$25	
Materials	\$50 /day	1	\$50	
Subtotal per Event:			\$470	
Number of Events per Year:		4		November, January, March and August
Sampling Subtotal per Year:			\$1,880	Reporting included under groundwater reporting (Line 48g).
Labor - Semi-Annual Report Preparation / Management	\$85 /hr.	0	\$0	
Labor - Semi-Annual Report Review / Certification	\$125 /hr.	0	\$0	
Labor - Semi-Annual Clerical	\$50 /hr.	0	\$0	
Labor - Annual Report Preparation / Management	\$85 /hr.	0	\$0	
Labor - Annual Report Review / Certification	\$125 /hr.	0	\$0	
Labor - Annual Clerical	\$50 /hr.	0	\$0	
Reporting Subtotal per Year:			\$0	
Extended Total:			\$1,880	

DRAINAGE MAINTENANCE

Line 51a: Annual drainage maintenance costs (\$/yr)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor - Coordination and Management	\$85 /hr.	8	\$680	Two laborers for two, 8-hour days per event. Local vendor quote on 3/26/13.
Labor - Maintenance	\$65 /hr.	32	\$2,080	
Equipment Rental - TT90 Bobcat	\$315 /day	2	\$630	
Materials	\$2,500 /S	1	\$2,500	
Subtotal per Event:			\$5,890	
Number of Events per Year:		2		
Extended Total:			\$11,780	

SECURITY

<i>Line 52: Annual security costs (\$/yr)</i>					
Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions	
Labor - Coordination and Management	\$85 /hr.	4	\$340		
Labor - Maintenance	\$65 /hr.	16	\$1,040		
Materials	\$1,000 /LS	1	\$1,000		
		<i>Extended Total:</i>	<i>\$2,380</i>		

INSPECTION

<i>Line 53b: Inspection unit cost (\$)</i>				
Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor	\$85 /hr.	4	\$340	
		<i>Extended Total:</i>	<i>\$340</i>	

SUPPLEMENTAL DATA

<i>Regrading: Annual maintenance costs (\$/yr)</i>				
Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor - Coordination and Management	\$85 /hr.	20	\$1,700	
Equipment Rental - Grader	\$720 /day	2	\$1,440	RSMMeans 2013
Equipment Rental - Dozer	\$630 /day	2	\$1,260	RSMMeans 2013
		<i>Extended Total:</i>	<i>\$4,400</i>	

- Erosion Control: Annual maintenance costs (\$/yr)*
- Total Acreage of Waste Management Unit (WWMU):
- Annual Percentage Requiring Erosion Control:
- Annual Acreage Requiring Erosion Control:
- Hay Bale / Silt Fence Repair Specification (assumed):

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor - Coordination and Management	\$85 /hr.	8	\$680	
Hay Bales - Labor	\$0.40 /LF	115	\$46	RSMMeans 2013
Hay Bales - Equipment	\$0.13 /LF	115	\$15	RSMMeans 2013
Hay Bales - Materials	\$10.68 /LF	115	\$1,228	RSMMeans 2013
Silt Fences - Labor	\$0.99 /LF	115	\$104	RSMMeans 2013
Silt Fences - Materials	\$0.38 /LF	115	\$44	RSMMeans 2013
		<i>Extended Total:</i>	<i>\$2,116</i>	

5-Year Iso-Settlement Analysis (\$)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Aerial Topographic Survey	\$3,600 /LS	1	\$3,600	
Labor - Data Reduction / Calculations	\$90 /hr.	16	\$1,440	
Labor - Report Preparation / Management	\$125 /hr.	10	\$1,250	
Labor - Annual Clerical	\$50 /hr.	2	\$100	
		<i>Subtotal:</i>	<i>\$6,390</i>	
		<i>Frequency Interval:</i>	<i>5</i>	
		<i>Extended Total:</i>	<i>\$1,278</i>	

Sierra Water: Annual monitoring and reporting costs (\$/yr)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor - Coordination and Management	\$85 /hr.	2	\$170	
Labor - Mobilization / Sampling	\$75 /hr.	7	\$525	Based on the sampling of 7 locations.
Monitoring Equipment - Parameter Meter	\$25 /day	1	\$25	
Materials	\$50 /day	1	\$50	
	Subtotal per Event:		\$770	
	Number of Events per Year:	3	\$2,310	
Chemical Oxygen Demand	\$90	3	\$90	Scope of testing per Monitoring & Reporting Program No. 97-90.
Nitrate-Nitrogen	\$18 ea.	3	\$54	Prices based on 4/2/13 cost quotes from North Coast Laboratories Ltd., Arcata, CA.
Settleable Solids	\$15 ea.	3	\$45	
Turbidity	\$15 ea.	3	\$45	
	Subtotal per Event:		\$234	
	Number of Events per Year:	3	\$702	November, January and March
Labor - Semi-Annual Report Preparation / Management	\$85 /hr.	0	\$0	Reporting included under groundwater reporting (Line 48g).
Labor - Semi-Annual Report Review / Certification	\$125 /hr.	0	\$0	
Labor - Semi-Annual Chemical	\$50 /hr.	0	\$0	
Labor - Annual Report Preparation / Management	\$85 /hr.	0	\$0	
Labor - Annual Report Review / Certification	\$125 /hr.	0	\$0	
Labor - Annual Chemical	\$50 /hr.	0	\$0	
	Reporting Subtotal per Year:		\$0	
	Extended Total:		\$3,012	

QA/QC Testing: Annual QA/QC testing costs (\$/yr)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Volatile Organic Compounds - Groundwater Monitoring	\$200 ea.	1	\$200	Assumes one trip blank per event.
	Number of Events per Year:	2	\$400	
	QA/QC Testing Subtotal per Year:		\$200	Assumes one trip blank per event.
	Number of Events per Year:	4	\$800	
	QA/QC Testing Subtotal per Year:		\$1,200	
	Extended Total:		\$1,200	

Passive LFG Control System: Annual maintenance costs (\$/yr)

Description	Unit Rate	Quantity	Extended Cost	Source / Assumptions
Labor - Coordination and Management	\$85 /hr.	4	\$340	
Labor - Maintenance	\$75 /hr.	8	\$600	
Materials - Pipe / Fittings	\$150 LS	1	\$150	Assumes replacement of piping/fittings for one surface vent per year.
Materials - Valves	\$530 LS	1	\$530	Assumes replacement of valve for one surface vent every other year.
	Extended Total:		\$1,620	
	Supplemental Data Total (Line 54):		\$13,626	

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April 17, 2013

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

**RE: WASTE IN PLACE ANALYSIS
CRESCENT CITY LANDFILL, DEL NORTE COUNTY, CALIFORNIA
EBA JOB No. 13-1902 (TASK B1)**

Dear Mr. Ward:

This report presents the results of a waste in place (WIP) analysis performed by EBA Engineering (EBA) for the purpose of estimating the amount of in-place tonnage in the Crescent City Landfill (Landfill). EBA understands that this analysis has been requested to revisit the previous in-place tonnage of 482,886 tons as calculated in December 2010, which exceeded the Assembly Bill 32 (AB 32) exemption threshold of 450,000 tons. However, due to the number of unknown variables and assumptions utilized in the previous estimate, a more rigorous analysis was performed to better refine the in-place tonnage estimate. In this regard, a number of factors were considered as part of EBA's analysis. These factors included: volume calculation methodology; waste density; population data; weigh scale data; waste to soil cover ratio; and settlement and compression. Further details regarding each of these factors are presented in the following sections.

VOLUME CALCULATION METHODOLOGY

The previous estimate assumed a flat base elevation of 37 feet above mean sea level (MSL) within the entire footprint of the Landfill. This assumption was conservative in that it did not account for variations in waste depths as revealed in boring logs for leachate wells L-1, L-2 and L-3. According to the boring logs, the base elevations of the Landfill are at 57.4, 47.0 and 36.6 feet MSL, respectively (see Sheet 1, Attachment 1). Using this information, a revised basal topography for the Landfill was generated using AutoCAD software assuming a constant slope between adjoining leachate wells; i.e., 3.03 percent slope between L-1 and L-2, and a 2.25 percent slope between L-2 and L-3. North of L-1, the 3.03 percent slope between L-1 and L-2 was maintained to the northern Landfill footprint. Along the southern Landfill footprint, the base elevation was set at 34 feet MSL. This elevation corresponds to the existing ground surface elevation and was selected to maintain an approximate 10-foot separation between the waste and groundwater, which was reportedly an operational practice during landfill development. The

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corresponding basal topography generated using this approach is illustrated on Sheet 1 (Attachment 1).

Using the basal topography as described above and the 2006 as-built topographic map, the volume between these two surfaces was calculated using AutoCAD software. Prior to performing the calculation, the 2006 topographic surface was lowered by 3.8 feet (weighted average) in elevation to account for the final cover. The result of this calculation indicates a total volume (waste and cover soil) of 1,295,854 cubic yards (CY). This volume is 313,767 CY less than the previous estimate of 1,609,621 CY.

WASTE DENSITY

A waste density of 750 pounds per cubic yard (PCY) was used in the previous estimate for the entire waste mass. However, the report also notes that contract documents for the period 1995 through November 1998 indicate that the landfill operator expected to achieve an in-place density of 850 PCY. The report further notes that the use of a compactor starting in December 1998 was expected to increase the in-place density to 1,100 PCY thereafter. As the latter in-place densities are more in line with historical industry practices, the combination of these three density values were incorporated into EBA's analysis for the following time periods: 1) 1977-1994 (750 PCY); 2) 1995-1998 (850 PCY); and 3) 1999-2005 (1,100 PCY).

POPULATION DATA

Population data provided by the Authority indicates that the population of Del Norte County during the active life of the Landfill ranged from 17,126 in 1977 to 28,892 in 2005. The highest population during this time frame occurred in 1999 at 30,358. Assuming waste generation was generally proportionate to population, estimates of the total airspace consumed were calculated for the three time periods outlined in the previous section. Based on this approach, 55.6 percent of the airspace would have been consumed during the 1977-1994 time period, followed by 16.1 and 28.3 percent, respectively, for the latter two time periods.

WEIGH SCALE DATA

Weigh scale data for the Landfill is available for the period of 1997 through 2005. The total tonnage received during this time frame was approximately 221,300 tons, with annual tonnages (excluding 2005) ranging from approximately 22,500 to 36,600 tons per year. Considering the time periods outlined in the previous section, the tonnage for the 1999-2005 time period is known to be 176,195 tons based on actual weigh scale data. In regards to the 1995-1998 time period, weigh scale data indicates that 45,093 tons were disposed of in 1997 and 1998. Assuming a similar population to waste generation rate for 1995 and 1996, the corresponding tonnage for the 1995-1998 time period equates to 88,810 tons. Finally, due to the absence of weigh scale data or other relevant information for the 1977-1994 time period, alternate

approaches are presented in the "Calculations" section of this report to estimate the tonnage for this period.

WASTE TO SOIL COVER RATIO

The previous estimate assumed an average waste to soil cover ratio of 4:1 for the entire Landfill. In EBA's opinion, the cover ratio likely varied between two distinct time frames. Prior to 1995, soil was used exclusively at the Landfill for daily cover. During that period, the industry standard was typically 3:1, and was often lower for smaller landfills. In 1995, the Landfill transitioned to using tarps for daily cover, which would serve to increase the cover ratio. EBA is aware of a landfill site that recently performed a cover ratio analysis that included the employment of a daily tarp system. The results from that analysis revealed a cover ratio of approximately 5:1. Based on this information, EBA incorporated into the current analysis a 3:1 cover ratio for all waste deposited over the period of 1977 through 1994, and a 5:1 cover ratio for the period thereafter (1995 through March 2005).

SETTLEMENT AND COMPRESSION

Settlement and compression of the waste will occur following placement due to decomposition processes and overburden pressures. In the case of decomposition, such processes will occur at a more rapid rate in wet climate areas, similar to the climate conditions present at the Landfill. Thus, it is reasonable to assume that a considerable portion of the ultimate settlement occurred while the Landfill was still active. This means that the actual total volume of waste placed over the lifetime of the landfill operations was greater than the volume measured at the time of closure. Based on these circumstances, the waste volume for the respective periods was increased by 10 percent to account for settlement and compression.

CALCULATIONS

Calculation of the total tonnage was conducted using two methods. Each method is described in the following subsections.

Method 1

The first method utilized the variable in-place densities for the respective time periods. The initial step involved converting the tonnages for the 1995-1998 and 1999-2005 time periods into volumes as presented below. Please note that the 1.1 variable represents a correction factor to compensate for settlement.

- 1995-1998: $[(88,810 \text{ tons} \times 2,000 \text{ lbs/ton}) \div 850 \text{ PCY}] \times 1.1 = 229,861 \text{ CY}$
- 1999-2005: $[(176,195 \text{ tons} \times 2,000 \text{ lbs/ton}) \div 1,100 \text{ PCY}] \times 1.1 = \frac{352,390 \text{ CY}}{582,251 \text{ CY}}$

The combined volume for the above time periods was then subtracted from the total calculated volume (1,295,854 CY - 582,251 CY) to determine the residual volume for the 1977-1994 time period (713,603 CY). This volume, which represents both waste and soil, was then converted to waste volume by applying a 3:1 cover ratio (0.75) and a 10 percent settlement factor (1.1) as follows:

- $713,603 \text{ CY} \times 0.75 \times 1.1 = 588,722 \text{ CY}$

Finally, the tonnage for the 1977-1994 time period was back-calculated using the aforementioned waste volume and an in-place density of 750 PCY. The corresponding calculation is as follows:

- $(588,722 \text{ CY} \times 750 \text{ PCY}) \div 2,000 \text{ lbs} = 220,771 \text{ tons}$

Based on the Method 1 calculations presented herein, the waste tonnages for each of the time periods are 220,771 tons (1977-1994), 88,810 tons (1995-1998) and 176,195 tons (1999-2005). The corresponding summation of these respective waste tonnages equates to 485,776 tons for the entire Landfill.

Method 2

The second methodology utilized the population data to establish volumes for the respective time periods. As previously presented in the "Population Data" section, the airspace consumption for each of the time periods equates to 55.6 percent (1977-1994), 16.1 percent (1995-1998) and 28.3 percent (1999-2005). Applying these percentages to the total calculated volume, supplemented with a 10 percent settlement factor (1.1), yields the following volumes:

- 1977-1994: $1,295,854 \text{ CY} \times 0.556 \times 1.1 = 792,544 \text{ CY}$
- 1995-1998: $1,295,854 \text{ CY} \times 0.161 \times 1.1 = 229,496 \text{ CY}$
- 1999-2005: $1,295,854 \text{ CY} \times 0.283 \times 1.1 = 403,399 \text{ CY}$

As the aforementioned volumes represent waste and soil, the volumes were converted to waste volumes by applying applicable cover ratios. As previously presented in the "Waste to Soil Cover Ratio" section, a 3:1 cover ratio is considered representative for the 1977-1994 time period, while a 5:1 cover ratio is considered appropriate for the latter two time periods. The corresponding conversions to waste volumes are as follows:

- 1977-1994: $792,544 \times 0.75 = 594,408 \text{ CY}$
- 1995-1998: $229,496 \times 0.83 = 191,247 \text{ CY}$
- 1999-2005: $403,399 \times 0.83 = 336,166 \text{ CY}$

Since the tonnages for the 1995-1998 and 1999-2005 time periods are known, there is no need to use the aforementioned waste volumes to back-calculate for tonnages. However, the waste volumes are useful in calculating the corresponding waste density characteristics. This is accomplished by dividing the actual tonnage by the waste volume. The resulting values from these calculations reveal waste densities of 929 PCY (1995-1998) and 1,048 PCY (1999-2005),

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which are within 10 percent of the 850 PCY and 1,100 PCY waste densities used in Method 1. As for the 1977-1994 time period, the tonnage was calculated in the same manner as utilized in Method 1 by using an assumed waste density of 750 PCY. The calculation is as follows:

- $(594,408 \text{ CY} \times 750 \text{ PCY}) \div 2,000 \text{ lbs} = 222,903 \text{ tons}$

Based on the Method 2 calculations presented herein, the waste tonnages for each of the time periods are 222,903 tons (1977-1994), 88,810 tons (1995-1998) and 176,195 tons (1999-2005). The corresponding summation of these respective waste tonnages equates to 487,908 tons for the entire Landfill.

According to the methodologies used in EBA's analysis, the estimated waste in-place tonnage for the Landfill ranges from approximately 486,000 to 488,000 tons. This range of tonnages exceeds the AB32 exemption threshold of 450,000 tons, and is slightly greater than the 482,886 tons calculated as part of the previous 2010 estimate. It should be noted that the 10 percent settlement factor used in the calculations presented herein is probably low in light of the significant amount of rainfall that occurs in the Crescent City area. Employment of a higher settlement factor would increase the tonnage for the 1977-1994 time period and would likely bring the overall Landfill tonnage to the 500,000 tons range or greater.

CLOSING

EBA appreciates the opportunity to be of service to the Authority on this project. 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

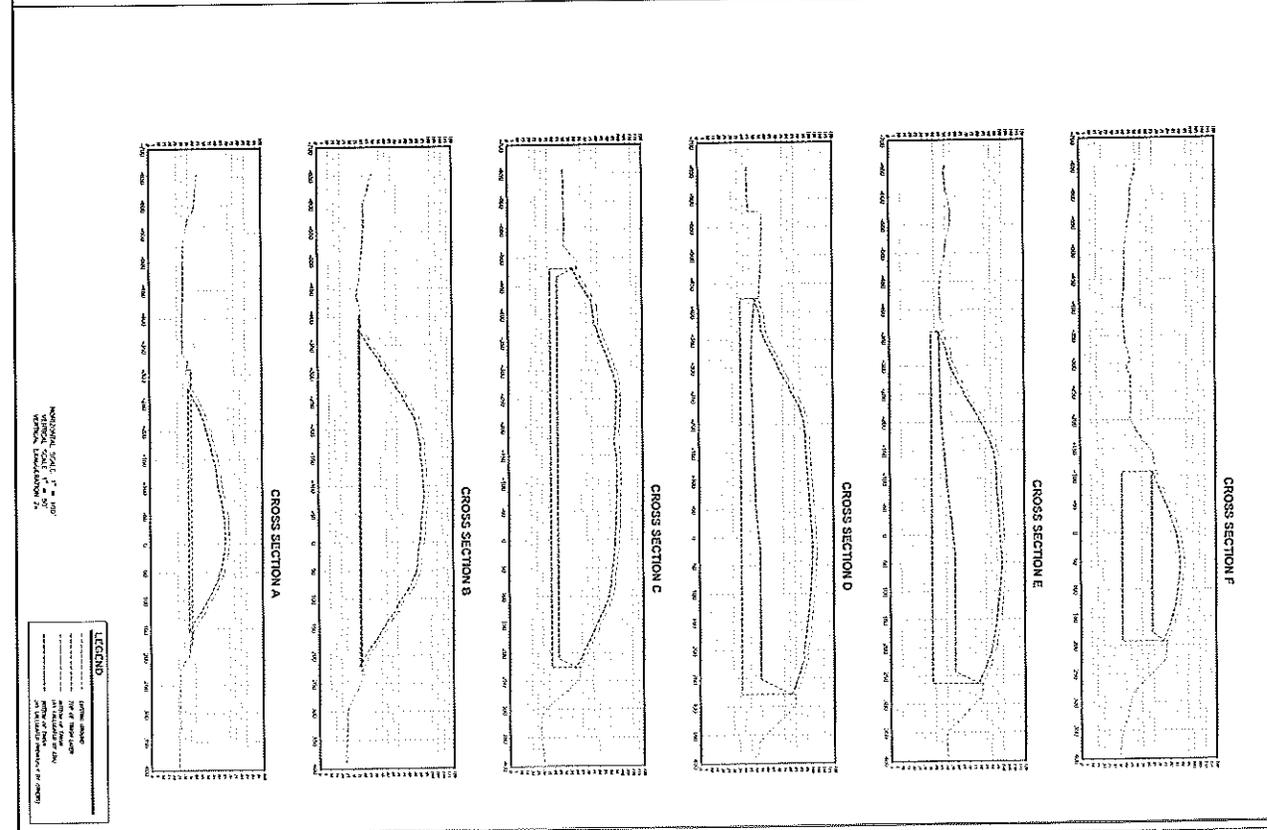
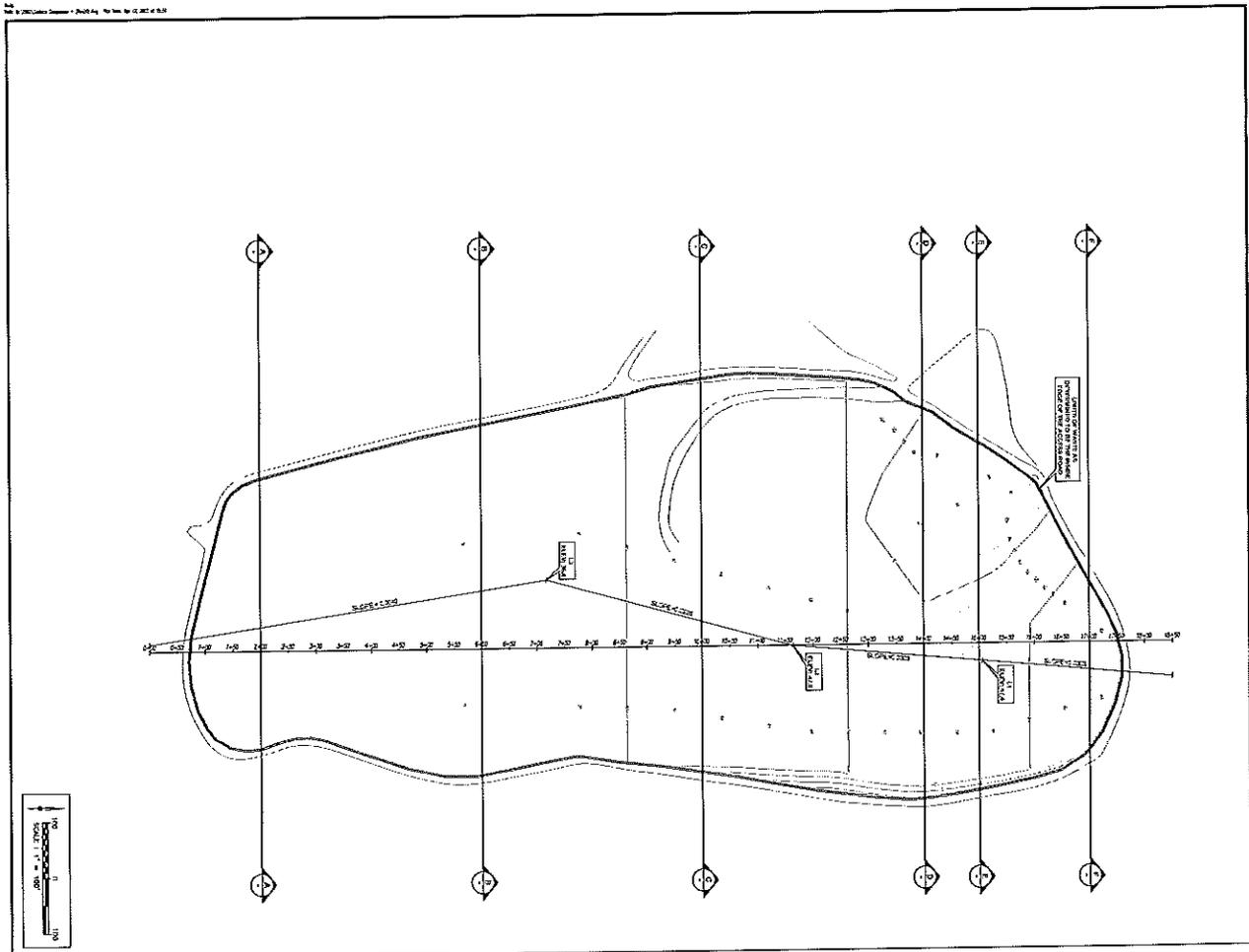
Mike Delmanowski, C.E.G., C.Hg.
Senior Hydrogeologist

Dale Solheim, P.E.
Principal Engineer

Enclosures: Attachment 1 - Sheet 1

ATTACHMENT 1

SHEET 1



Project Number
1

Scale
1" = 100'

Drawn By
SMB

Checked By
MS

Date
07/13/2004

LANDFILL VOLUME COMPARISONS

CRESCENT CITY LANDFILL
CRESCENT CITY, CALIFORNIA

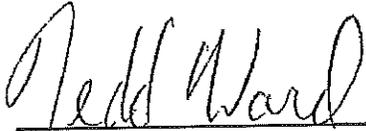
Legend

- Existing Landfill
- Proposed Landfill
- Boundary of Existing and Proposed Landfill
- Boundary of Existing Landfill
- Boundary of Proposed Landfill

Groundwater Investigation Work Plan for the Crescent City Landfill May 2013



Prepared By:


Tedd Ward, M.S.
DNSWMA

Reviewed By:


Mike Delmanowski, C.E.G., C.Hg.
EBA Engineering

Under the direction and supervision of
Jim Barns, Del Norte County Engineer
and
Kevin Hendrick, Director
Del Norte Solid Waste Management Authority
1700 State Street
Crescent City, CA 95531

(707) 465-1100



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G.	Quality Assurance / Quality Control Plan.....	6
IV.	Well Installation Report.....	7
V.	Follow-up Sampling and Reporting.....	8

APPENDIX A:	Figures
APPENDIX B:	Health & Safety Plan

I. Purpose and Overview

This Groundwater Investigation Work Plan (Work Plan) for the Crescent City Landfill describes the locations, procedures, and methods for developing and using two new groundwater monitoring locations at the Crescent City Landfill. These two new groundwater monitoring locations are intended to be used to clarify groundwater flow and water quality characteristics nearest to the residential wells to the northeast which are closest to the landfill mound of the Crescent City Landfill. The Del Norte Solid Waste Management Authority (Authority) as administrator of landfill post-closure maintenance, and the County of Del Norte as owner of the landfill, intend to use data collected from these new wells to demonstrate that the Crescent City Landfill is not having an adverse impact on nearby residential wells. If staff of the Regional Water Quality Control Board, North Coast Region (RWQCB) agree that the groundwater elevation and sampling data support such a conclusion, this data will be the basis for justifiably and permanently reducing the Threat / Complexity rating for the Crescent City Landfill from '1A' to either a '2A' or '2B.'

II. Well Locations

The Authority proposes to install two new wells, which will be used to collect depth to groundwater data and water quality samples after initial well development. While these wells will be capable of being used for collecting water samples as required, they are intended to be used primarily as piezometers to assess the direction of groundwater flow between the nearest residential wells and the landfill groundwater wells closest to those residential wells. The attached map (Figure 1, Appendix A) indicates the preferred location for the proposed monitoring wells in a maroon rectangle, and an alternative larger potential area in yellow in case the preferred area is not adequately accessible to the well-drilling rig.

The location shown on Figure 1 was selected to optimize the triangulation associated with the process of determining groundwater contours and to provide additional on-site monitoring points as close to the residential wells as practical to verify groundwater quality characteristics. The preferred location for this pair of new wells is north and east of well WE3S, south and east of W6ES, and south-southwest of the nearest residential wells. The wells will be field located to ensure accessibility and long term integrity of the wells.

We believe that with a pair of wells, one screened below the 'Marsh' deposit and one screened and sealed above the 'Marsh' deposit in this area would provide adequate information to assess the shallow and deep groundwater contours/gradients and water quality in this area. As we record the groundwater data twice each year, we hope this additional information will more definitively demonstrate that the Crescent City Landfill is not impacting the nearby residential water wells.

III. Well Installation, Development and Sampling

A. Well Permit and Monitoring Well Installation

Well permits will be obtained through the Del Norte County Department of Environmental Health prior to commencement of the drilling operations. The Authority will pay that Department the \$150 permit fee for each well.

The new wells will be installed by a qualified C-57 licensed drilling contractor under the direct supervision of a registered geologist or registered civil engineer. The boreholes for the respective wells will be drilled by a truck-mounted mud rotary drill rig. Mud rotary drilling methods are proposed in lieu of hollow-stem auger methods to compensate for "heaving sand" conditions in the area that characteristically cause problems with well installations using that methodology, particularly in deeper water-bearing zones. The use of drilling mud will also serve to seal-off the 'Shallow' water-bearing zone during installation of the deeper monitoring well. During the course of drilling, the lithology will be identified from cuttings processed through a shaker screen and/or cyclone and will be logged in accordance with ASTM D-2488-90 visual classification system or the Unified Soil Classification System (USCS). Spent drilling mud used in the drilling process will be discharged to the ground surface. The final disposition of this material will be contingent upon the nature of groundwater impacts, if any, revealed in the new monitoring wells.

The monitoring wells will be constructed of a 4-inch-diameter, Schedule 40 flush-threaded polyvinyl chloride (PVC) blank and 0.02-inch factory slotted casing equipped with a threaded end cap at the base. Please see the following subsection for details regarding the screen placement and depths. Upon encountering the target completion depth, the well casing will be lowered to the base of the borehole. Following placement, the annulus around the slotted casing will be backfilled with filter pack material consisting of No. 2/12 sand (or equivalent) to a height approximately 2 feet above the top of the screened interval. A two-foot bentonite plug (hydrated) will be placed above the filter pack, with the remainder of the annular space backfilled with a high solids bentonite slurry grout to the ground surface. The top of the blank casing will be completed above-ground inside a locking steel cover and a 2-foot-square concrete pad to prevent surface water from ponding adjacent to each well. A locking expansion plug will be installed on the top of the casing for each well. An illustration of a typical monitoring well construction detail is enclosed as Figure 2 (Appendix A).

B. Determining Screen Placement

Previous drilling on the Crescent City Landfill property has identified sandy 'Shallow' and 'Deep' water-bearing zones separated by a fine-grained unit that impedes flow between the two water-bearing zones. The 'Shallow' water-bearing zone is identified as the Dune Formation and is comprised of well-sorted, poorly graded, fine-grained dune deposits. The 'Deep' water-bearing zone, in turn, represents the Battery Formation that is characterized by medium- to coarse-

grained, moderately consolidated sand. Finally, the fine grained unit corresponds to a 'Marsh' deposit consisting of interbedded peat and silty-clayey layers. By installing a pair of wells within 10 to 20 feet of each other, with one each screened above and below the 'Marsh' deposit, the Authority intends to improve assessment of groundwater conditions in both the 'Shallow' and 'Deep' water-bearing zones. Furthermore, these new wells will be sealed and screened so there is no risk of increased flow between these two water-bearing zones.

The boring log for well E-3 Deep, near the target location for the new wells, indicates that the top of the 'Marsh' deposit in this area is between approximately 37 and 41 feet below ground surface (BGS) and approximately 2.5 to 7 feet thick. Based on this information, the shallow well will be completed at a depth of approximately 35 feet BGS and screened from 15 to 35 feet BGS. Conversely, the deeper well will be completed at a depth of approximately 65 feet BGS and screened from 45 to 65 feet BGS, which is generally consistent with other 'Deep' wells on the landfill property, and is designed so that at all times during the year, the deep well will be able to detect the groundwater elevation in the 'Deep' water-bearing zone at all times of the year.

Please note that the actual completion depths will be contingent upon the depth and thickness of the 'Marsh' deposit encountered in the field. Regardless of the final completion depths, the construction of the deeper well will be such that the sanitary seal will extend across the full thickness of the 'Marsh' deposit to ensure there is no risk of increased flow between the 'Shallow' and 'Deep' water-bearing zones.

C. Well Development

The wells will be developed a minimum of 48 hours after their installation to remove residual fines and drilling mud that remain from the drilling and to improve the hydraulic communication between the well filter pack and the natural formation. A submersible pump and/or bailer will be used to purge a minimum of ten casing volumes from each well as part of well development. A surge block may also be used during development to promote the dislodgment of fines entrained within the filter pack. Purge volumes will be estimated using a stopwatch and a bucket to estimate flow rate, from which the time to purge the required volume will be calculated. In addition, indicator parameters (temperature, specific conductance, and pH) will be measured throughout the development process using a hand-held meter to monitor stabilization characteristics.

D. Well Surveying

The Del Norte County Engineering Department will complete and appropriately stamp a survey of the northing, easting, and elevation of the top of each new well casing, surveyed to the nearest 0.01 foot. This information, combined with the boring logs and the Report of Well Completion, will enable accurate determination of the elevation with respect to mean sea level of the

screened interval elevations of each well, the sealed bottom of each well and the elevation of groundwater in each well.

E. Initial Well Sampling and Geotracker

The wells will be sampled a minimum of 48 hours following the well development activities. The groundwater sampling procedures will be as follows:

- On the day of sample collection, the water level in each well will be measured and the volume of the water column in each well calculated. A submersible pump will be used to purge a minimum of three times the volume of the water column in each well. Indicator parameters (temperature, specific conductance, and pH) will be measured using a hand-held meter and monitored during purging. Adequate purging is achieved when these parameters fluctuate by no more than 10 percent in at least two successive measurements and the volume purged is between 2.5 and 4.5 times the volume of the water column prior to purging.
- Upon completion of the purging operations, groundwater samples will be collected from each well using a hand bailer and transferred directly into sterile sample containers provided by North Coast Laboratories of Arcata, California.
- Groundwater samples collected from these two wells will be analyzed for the same constituents as other groundwater wells at the Crescent City Landfill, as prescribed in Monitoring and Reporting Program 97-90, specifically including:
 - Chemical Oxygen Demand
 - VOCs (EPA 8260B)
 - Dissolved metals
 - Minerals
 - Geotracker Reporting

F. Decontamination

All downhole drilling equipment, well development, and water sampling equipment will be decontaminated prior to and after use. All decontamination will be conducted on site, possibly including high pressure, hot water washing or phosphate-free detergent wash followed by distilled, deionized, or clean water rinse. The resulting decontamination rinsate, as well as purge water generated from the well development and sampling activities, will be discharged to the ground surface as the presence of appreciable impacts or contamination is not anticipated in the area of work.

G. Quality Assurance / Quality Control Plan

Quality Assurance and Quality Control (QA/QC) elements for well construction and testing include the following activities:

- On-site supervision during monitoring well drilling, construction, development, and water quality sampling activities.
- Adherence to the site-specific Health and Safety Plan provided in Appendix B of this Work Plan.
- Daily documentation of field activities.
- Lithologic logging of drill cuttings (soil logging).
- Disinfection of all equipment that is placed in the borehole/monitoring wells.
- Inspection of all monitoring well materials prior to use.
- Groundwater elevation measurements and groundwater quality sampling by trained field technicians.

IV. Well Installation Report

Within 120 days after the two new wells are installed, a Well Installation Report will be prepared and submitted to the RWQCB that will include the following information:

- A. Boring logs**
- B. Well construction log**
- C. Well development data**
- D. Well survey data**
- E. New well map**
- F. Depth to groundwater data**
- G. Groundwater contour maps**
- H. Groundwater sampling field documentation**
- I. Certified Analytical Report summarizing results of groundwater sample laboratory testing**
- J. Data summary and comparison to nearby wells**
- K. Possible re-test circumstances and procedures, if applicable**
- L. Data analysis with respect to the Threat / Complexity Rating for the Crescent City Landfill**

The report will be prepared under the direction and supervision of the County Engineer.

In addition to the Well Installation Report as described above, a 'Report of Well Completion' will be prepared by the drilling contractor in compliance with the California Water Code, Division 7, Chapter 10, Article 3, sections 13750 – 13755. This report will be submitted to the California Department of Water Resources within 60 days of well completion.

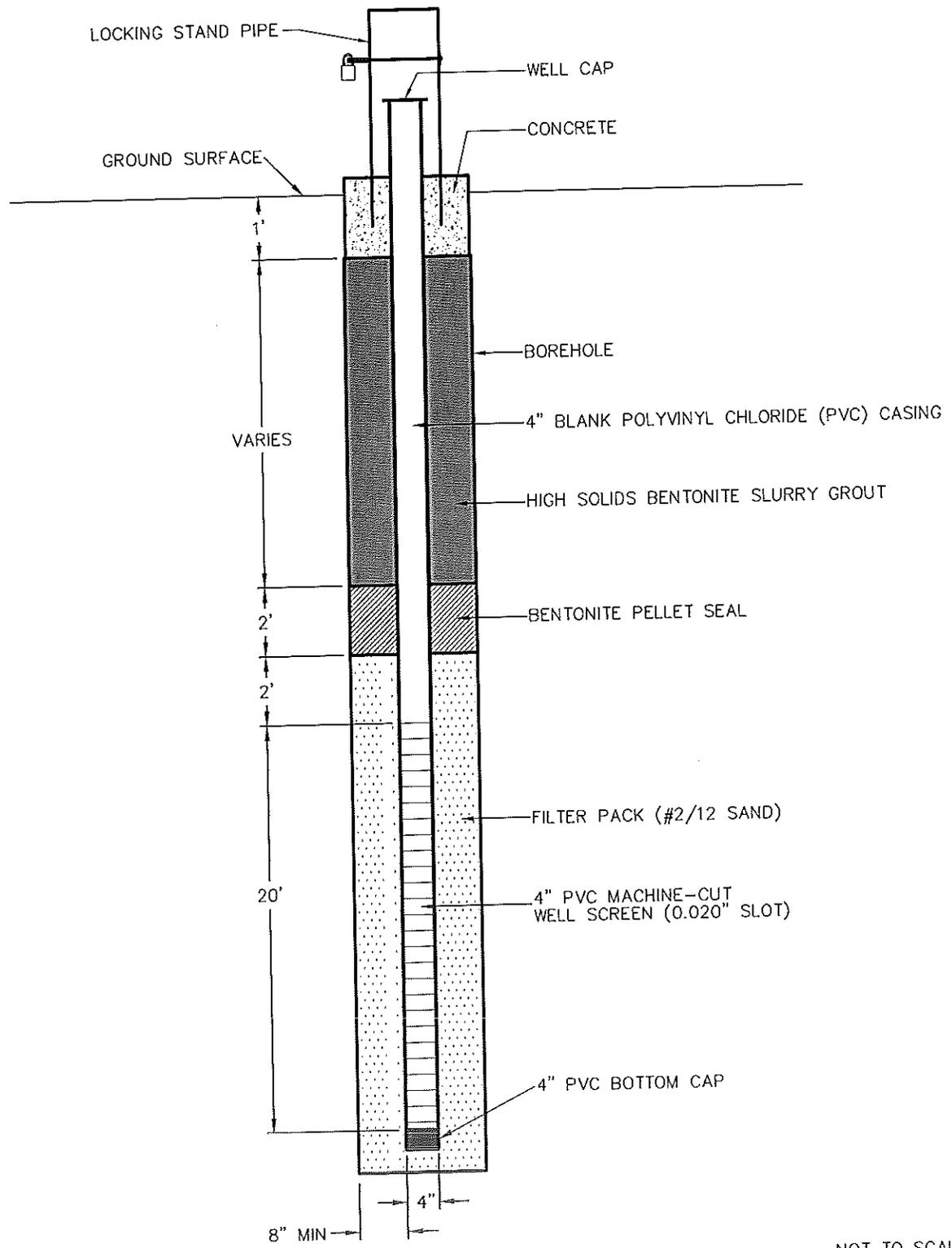
V. Follow-up Sampling and Reporting

As part of the Well Installation Report for the Crescent City Landfill, Authority staff will propose how data to be collected from these new wells, possibly including depth-to-groundwater and/or sample collection and analysis for specific constituents, could be incorporated into the Monitoring and Reporting Program for the Crescent City Landfill.

APPENDIX A: FIGURES

**Figure 1:
Crescent City Landfill**





TYPICAL MONITORING WELL CONSTRUCTION DETAIL

CRESCENT CITY LANDFILL
CRESCENT CITY, CALIFORNIA

FIGURE
2
13-1902

APPENDIX B:
HEALTH AND SAFETY PLAN

Personal Protective Equipment (PPE) Required: Personnel performing work on-site will be required to have the following PPE available for use, as appropriate: first aid kit, hardhat, eye protection, noise protection, chemical-protective gloves, steel-toed boots, and respirator with organic vapor cartridge.

Air Monitoring Strategy (including action levels): In addition to the employment of PPE, the Health and Safety (H&S) Manager will monitor air in the breathing zone and general work area during drilling activities. Monitoring will include detection for explosive gases, organic vapors, and oxygen levels. Equipment to be utilized includes the following or equivalent:

- Portable landfill meter or approved equivalent; and
- Portable photoionization detector (PID) or approved equivalent.

All monitoring instruments will be properly calibrated to the appropriate calibration gas and ambient oxygen at the beginning of each day before the commencement of work. The breathing zone will be monitored using the aforementioned meters for the presence of chemical hazards at the outset of operations (at each location), and periodically throughout the course of drilling operations. In the event chemical hazards are identified in the breathing zone at concentrations that exceed recommended health and safety standards, all work shall stop and workers shall move to a safe location upwind of the work zone. For the purpose of this investigation, action levels to be employed during site operations shall be as follows:

- Methane concentrations equal to or greater than 10 percent of the Lower Explosive Limit (LEL) of 5,000 parts per million by volume (ppmv);
- Oxygen levels equal to or below 19.5 percent; and
- Volatile organic compound (VOC) concentrations equal to or greater than 5 ppmv for five minutes or greater than 30 ppmv instantaneous.

Work shall not resume until the identified hazard(s) has been mitigated and the breathing zone meets applicable health and safety standards. Mitigation of the hazard may be accomplished by natural dissipation or through the implementation of proper engineered control measures.

Site Control Measures: Site control measures will include: 1) no eating, drinking, or smoking in work area; 2) bring drinking water; 3) decontaminate boots and sampling equipment prior to leaving site; and 4) inform workers on-site of elevated landfill gas and/or VOC readings and document.

Decontamination Procedures (personal and equipment): Decontaminate boots and soil sampling equipment with trisodium phosphate (TSP) and water. Wash and rinse sampling equipment with clean water. Decontaminate heavy equipment by scraping loose material, then wash with steam cleaning unit.

Emergency Information:

Hospital: Sutter Coast Hospital Phone: (707) 464-8511

Address: 800 East Washington Boulevard, Crescent City, California

Directions from Project Site to Hospital (see Hospital Map enclosed in Attachment B):

- 1) From project site, take Hights Access Road and proceed 0.3 miles NORTHEAST to Old Mill Road.
- 2) Turn RIGHT onto Old Mill Road and proceed 1.5 miles SOUTHEAST to Northcrest Drive.
- 3) Turn RIGHT onto Northcrest Drive and proceed 0.6 miles SOUTH to East Washington Boulevard.
- 4) Turn LEFT onto East Washington Boulevard and proceed 0.3 miles EAST to Sutter Coast Hospital located on the left at 800 East Washington Boulevard.

Directions from Hospital to Project Site:

- 1) From hospital, turn RIGHT onto East Washington Boulevard and proceed 0.3 miles WEST to Northcrest Drive.
- 2) Turn RIGHT onto Northcrest Drive and proceed 0.6 miles NORTH to Old Mill Road.
- 3) Turn LEFT onto Old Mill Road and proceed 1.5 miles NORTHWEST to Hights Access Road.
- 4) Turn LEFT onto Hights Access Road and proceed 0.3 miles SOUTHWEST to project site. Project site located on left.

Paramedic: 911

Fire/Police Dept.: 911

Emergency Procedures: Call 911 for fire or serious injury. Proceed to hospital (see map) if necessary for minor injuries. Call Del Norte Solid Waste Management Authority: (707) 465-1100.

Acknowledgement of Plan Review and Understanding:

Read by:

Date:

ATTACHMENT A
LIST OF POTENTIAL CHEMICAL HAZARDS

List of Potential Chemical Hazards

<u>CHEMICAL NAME</u>	<u>DESCRIPTION</u>	<u>HEALTH & SAFETY STANDARDS</u>	<u>PERSONS EXPOSED* AND POTENTIAL ROUTES OF EXPOSURE</u>	<u>SYMPTOMS OF ACUTE EXPOSURE</u>
Gasoline	Flammable liquid	8-hr. TLV = 300 ppm Flashpt. = 50°F LEL = 1.4%, UEL = 7.6%	Inhalation, dermal	Headache, dizziness, eye/skin irritation
Benzene	Carcinogen, Aromatic HC	8-hr. TLV = 10 ppm PEL = 1 ppm	Inhalation, dermal	Headache, dizziness
Toluene	Aromatic HC	8-hr. TLV = 100 ppm	Inhalation, dermal	Headache, dizziness
Xylenes	Aromatic HC	8-hr. TLV = 100 ppm	Inhalation, dermal	Headache, dizziness
Ethylbenzene	Aromatic HC	8-hr. TLV = 100 ppm	Inhalation, dermal	Headache, dizziness
Methane	Flammable gas	LEL = 5% UEL = 15%	Inhalation	Asphyxiation
Hydrogen sulfide	Flammable, poisonous gas	TWA = 10 ppm STEL = 15 ppm IDLH = 100 ppm	Inhalation	Headache, dizziness, nausea, irritation to mucous membranes, collapse, coma, death
Vinyl chloride	Flammable, carcinogen Toxic gas	TWA = 1 ppm STEL = 5 ppm IDLH = 3,600 ppm Flashpt. = 108°F	Inhalation, dermal	Eye and skin irritation, lightheadedness, nausea, dulling of visual and auditory responses
Carbon monoxide	Flammable, poisonous gas	TLV = 25 ppm STEL = 400 ppm IDLH = 1,500 ppm	Inhalation	Headache, dizziness, nausea, vomiting, loss of muscular control
Carbon dioxide	Non-flammable, asphyxiant gas	TLV = 5,000 ppm STEL = ppm IDLH = 50,000 ppm	Inhalation	Asphyxiation
Ammonia	Corrosive gas	TWA = 25 ppm STEL = 35 ppm	Inhalation	Edema of respiratory tract Asphyxiation
Acetone	Common solvent	TWA = 250 ppm IDLH = 2,500 ppm	Inhalation	Irritation of eyes, nose and throat, headaches, dizziness, and dermatitis
Carbon Tetrachloride	Non-flammable solvent	IDLH = 200 ppm	Inhalation, Dermal	Eye irritation, nausea, vomiting, central nervous system depression
Chlorinated Ethane Compounds	Highly flammable solvents	TWA = 100-200 ppm IDLH = 1,000-3,000 ppm	Inhalation	Nausea, vomiting, drowsiness, dizziness, dermatitis, central nervous system depression
Methylene Chloride	Non-flammable solvent, carcinogen	IDLH = 2,300 ppm	Inhalation, Dermal	Dermatitis, irritation of eyes and upper respiratory tract, headache, giddiness, stupor, irritability, numbness, tingling in limbs
Tetrachloroethylene	Non-flammable solvent, carcinogen	IDLH = 150 ppm	Inhalation, Dermal	Dermatitis, eye and nose irritation, malaise, dizziness, headache, increased perspiration, fatigue, staggering gait, slowing of mental ability

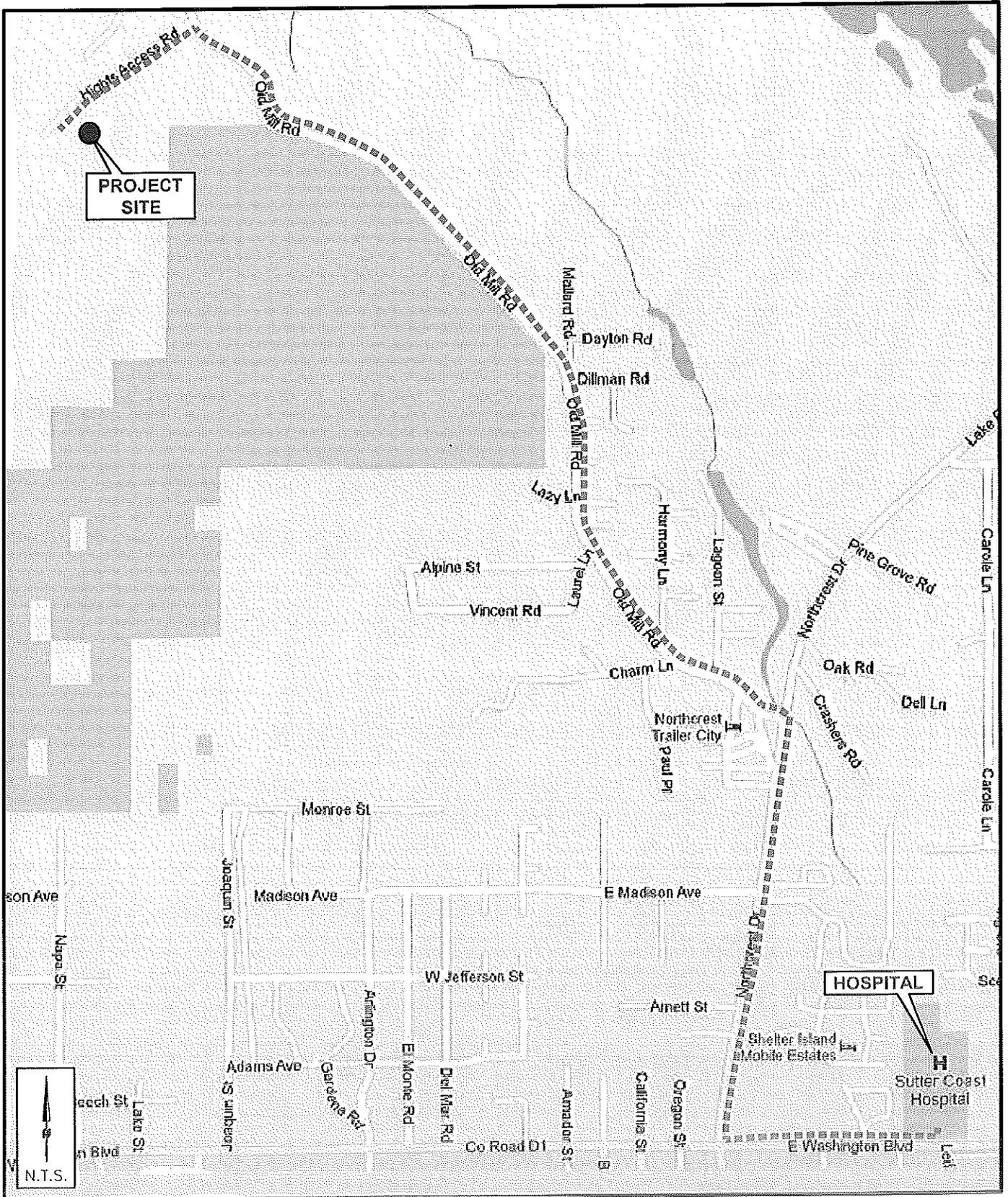
Trichloroethylene	Non-flammable solvent, carcinogen	IDLH = 1,000 ppm	Inhalation, Dermal	Eye, nose, and throat irritation, dermatitis, headache, dizziness, vertigo, tremors, nausea, vomiting, irregular heart beat, sleepiness, fatigue, blurred vision
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Glossary of Terms:

IDLH	Immediately Dangerous to Life and Health is the maximum concentration from which one could escape from within 30 minutes without experiencing escape-impairing health effects or irreversible health effects.
LEL	Lower Explosive Limit is the minimum concentration in air (usually expressed as a percent by volume) that is required to achieve explosion or combustion.
PEL	Permissible Exposure Limit is a value reported in parts per million (ppm) or milligrams per cubic meter (mg/m ³) in the OSHA "Z" table listed in 29 CFR 1910.1000. This concentration is an 8-hour time-weighted average (TWA) unless otherwise noted. The PEL is the maximum time-weighted concentration an individual can be exposed to without government required respiratory protection or engineering controls.
STEL	Short Term Exposure Limit is defined by NIOSH as a 15-minute time-weighted average exposure which should not be exceeded at any time, nor repeated more than four times daily. The STEL allows exposure to higher concentrations for short periods of time without suffering from (1) irritation, (2) chronic or irreversible tissue damage, accidental injury, impair self-rescue or materially reduce work efficiency (provided the daily TLV-TWA is not exceeded).
TLV	Threshold Limit Value is a time-weighted average (see TWA).
TWA	Time Weighted Average is reported in ACGIH's <u>Threshold Limit Values for Chemical Substances in the Work Environment</u> and <u>NIOSH</u> . The TLV-TWA concentration is for a normal 8-hour work day, 40-hour work week, to which nearly all workers may be repeatedly exposed without adverse effects. A special category, the TLV-C (C=ceiling) provides a concentration for specific substances that should not be exceeded even instantaneously.
UEL	Upper Explosive Limit is the maximum concentration in air (usually expressed as a percent by volume) that can exist to achieve explosion or combustion.

NOTE: Health and safety standards refer to airborne concentrations to which nearly all workers may be repeatedly exposed daily without harmful effects. The concentrations are time-weighted averages for a normal 8-hour work period.

ATTACHMENT B
HOSPITAL MAP



HOSPITAL MAP

CRESCENT CITY LANDFILL
 CRESCENT CITY, CALIFORNIA

CHANGE ORDER 1

CONTRACT: Agreement for Analytical Services of Water Samples

CONTRACTOR: NORTH COAST LABORATORIES, LTD.
AUTHORITY: DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY
SUBJECT: REVISED ATTACHMENTS DESCRIBING ANALYTICAL SERVICES

NATURE OF CHANGES: This Change Order replaces Attachments A, B, C, and D to the Agreement due to revisions in the suite of analytical services for each 'Project.' Such changes are made periodically as the costs to provide these services change and Authority and North Coast Laboratory staff confer regarding the least expensive methods to gather the required analytical data. Totaling errors in some of the quotes are corrected. Analysis for Grease and Oil and Total Organic Carbon have been added to Attachment C: Landfill Stormwater to comply with Industrial Stormwater Monitoring requirements. Geotracker reporting is now required by the Regional Water Quality Control Board and has been added to Quotes for Attachments B and D. Geotracker charges are incurred not per sample location, but as a single charge per project sampling event, regardless of the number of sample locations for that project.

Contract Time remains unchanged.

This Change Order makes the following changes to the Contract Price: the cost per sample for each 'Project' are detailed in the Attachments are as follows:

Attachment : Project	Quote per sample location before Change Order 1	Change	Quote per sample location after Change Order 1
Attachment A: Transfer Station Stormwater	\$ 330 (Previous Quote reported this total as \$300)	-\$12	\$318
Attachment B: Landfill Groundwater	\$615 (Previous Quote reported this total as \$611)	-\$36	\$579
Attachment C: Landfill Stormwater, Inactive	\$166 (Previous Quote reported this total as \$148)	\$62	\$228
Attachment D: Landfill Surface Water	\$493	\$80	\$573

This Change Order is hereby approved:

NORTH COAST LABORATORIES, LTD.

BY: _____
 Roxanne Golich-Moore,
 Director of Operations

DATE: _____

Del Norte Solid Waste Management Authority

BY: _____
 Richard Enea, Chair

BY: _____
 Rick Holley, Secretary

Approved as to form:

BY: _____
 Martha D. Rice, General Counsel

4.4

CHANGE ORDER 1 ATTACHMENT A: TRANSFER STATION STORMWATER

North Coast Laboratories, Ltd.

5680 West End Road
 Arcata, CA 95521-9202
 TEL: (707) 822-4649
 FAX: (707) 822-6831

QUOTATION for ANALYTICAL SERVICES

Company: Del Norte Solid Waste Author.
 Contact: Tedd Ward
 Address: 1700 State Street
 Crescent City, CA 95531
 Phone: (707) 465-1100 Fax: (707) 465-1300

Submitted By:
 Trudie Blasi

Quote ID: 830
 Project: Transfer Station Stormwater
 TAT: 10 working days
 QC Level: STD

Expected:
 Expires: 05-Mar-15

TEST ID	Matrix	Test Name	Remarks	# Samp	Unit Price	Test Total
1664GOW	Aqueous	Hexane Extractable Grease and Oil		1	\$70.00	\$70.00
CODW	Aqueous	Chemical Oxygen Demand		1	\$30.00	\$30.00
CONDW	Aqueous	Conductivity		1	\$15.00	\$15.00
8260LIST4W	Aqueous	BTEX/Gasoline by GCMS		1	\$60.00	\$60.00
DNSWATSME	Aqueous	DNSWA Transfer Stations Metals		1	\$63.00	\$63.00
NFRW	Aqueous	Non-Filterable Residue (TSS)		1	\$20.00	\$20.00
PHW	Aqueous	pH		1	\$15.00	\$15.00
TOCW	Aqueous	Total Organic Carbon		1	\$45.00	\$45.00

Sub total:	\$318.00
Misc:	\$0.00
Discount:	0.00%
Surcharge:	0.00%
TOTAL:	\$318.00

Comments:

CHANGE ORDER 1 ATTACHMENT B: LANDFILL GROUNDWATER

North Coast Laboratories, Ltd.

5680 West End Road
 Arcata, CA 95521-9202
 TEL: (707) 822-4649
 FAX: (707) 822-6831

QUOTATION for ANALYTICAL SERVICES

Company: Del Norte Solid Waste Author.
 Contact: Tedd Ward
 Address: 1700 State Street
 Crescent City, CA 95531
 Phone: (707) 465-1100 Fax: (707) 465-1300

Submitted By:
 Trudie Blasi

Quote ID: 829
 Project: Landfill Groundwater
 TAT: 10 working days
 QC Level: STD

Expected:
 Expires: 05-Mar-15

TEST ID	Matrix	Test Name	Remarks	# Samp	Unit Price	Test Total
GEOTRACKE		Geotracker Reporting		1	\$100.00	\$100.00
CODW	Aqueous	Chemical Oxygen Demand		1	\$30.00	\$30.00
DNSWAGWM	Groundwater	DNSWA Groundwater Dissolved Metals		1	\$225.00	\$225.00
DNSWAGWMI	Groundwater	DNSWA Groundwater Minerals		1	\$104.00	\$104.00
8260LIST11W	Aqueous	EPA 8260B		1	\$120.00	\$120.00

Sub total:	\$579.00
Misc:	\$0.00
Discount:	0.00%
Surcharge:	0.00%
TOTAL:	\$579.00

Comments:

CHANGE ORDER 1 ATTACHMENT C: LANDFILL STORMWATER

North Coast Laboratories, Ltd.

09-May-2013

5680 West End Road
 Arcata, CA 95521-9202
 TEL: (707) 822-4649
 FAX: (707) 822-6831

QUOTATION for ANALYTICAL SERVICES

Company: Del Norte Solid Waste Author.
 Contact: Tedd Ward
 Address: 1700 State Street
 Crescent City, CA 95531
 Phone: (707) 465-1100 Fax: (707) 465-1300

Submitted By:
 Trudie Blasi

Quote ID: 828
 Project: LF Stormwater Inactive Sites
 TAT: 10 working days
 QC Level: STD

Expected:
 Expires: 05-Mar-15

TEST ID	Matrix	Test Name	Remarks	# Samp	Unit Price	Test Total
1664GOW	Aqueous	Hexane Extractable Grease and Oil		1	\$70.00	\$70.00
CODW	Aqueous	Chemical Oxygen Demand		1	\$30.00	\$30.00
DNSWAISMIN	Surface Water	DNSWA Inactive Sites Minerals		1	\$63.00	\$63.00
NFRW	Aqueous	Non-Filterable Residue (TSS)		1	\$20.00	\$20.00
TOCW	Aqueous	Total Organic Carbon		1	\$45.00	\$45.00

Sub total:	\$228.00
Misc:	\$0.00
Discount:	0.00%
Surcharge:	0.00%
TOTAL:	\$228.00

Comments: DNSWA Inactive Sites Minerals Includes: Nitrate, pH, settleable solids & Turbidity.
 5/2/13 Total Organic Carbon & Oil and Grease were added.
 5/9/13 Conductivity and TDS were removed.

CHANGE ORDER 1 ATTACHMENT D: LANDFILL SURFACE WATER

North Coast Laboratories, Ltd.

5680 West End Road
 Arcata, CA 95521-9202
 TEL: (707) 822-4649
 FAX: (707) 822-6831

QUOTATION for ANALYTICAL SERVICES

Company: Del Norte Solid Waste Author.
 Contact: Tedd Ward
 Address: 1700 State Street
 Crescent City, CA 95531
 Phone: (707) 465-1100 Fax: (707) 465-1300

Submitted By:
 Trudie Blasi

Quote ID: 827
 Project: Landfill Surface Water
 TAT: 10 working days
 QC Level: STD

Expected:
 Expires: 05-Mar-15

TEST ID	Matrix	Test Name	Remarks	# Samp	Unit Price	Test Total
GEOTRACKE		Geotracker Reporting		1	\$100.00	\$100.00
1664SGW	Aqueous	Hexane Extractable Material-Silica Gel		1	\$70.00	\$70.00
ACETW	Aqueous	Acetone		1	\$85.00	\$85.00
CODW	Aqueous	Chemical Oxygen Demand		1	\$30.00	\$30.00
ICNOW	Aqueous	Anions by Ion Chromatography		1	\$18.00	\$18.00
DNSWAGWM	Aqueous	DNSWA Groundwater Dissolved Metals		1	\$225.00	\$225.00
PHW	Aqueous	pH		1	\$15.00	\$15.00
SSW	Aqueous	Settleable Solids		1	\$15.00	\$15.00
TURBW	Aqueous	Turbidity		1	\$15.00	\$15.00

Sub total:	\$573.00
Misc:	\$0.00
Discount:	0.00%
Surcharge:	0.00%
TOTAL:	\$573.00

Comments:



Del Norte Solid Waste Management Authority

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

May 22, 2013

To: Board of Commissioners, Del Norte Solid Waste Management Authority

From: Kevin Hendrick, Director *Kevin*

RE: Landfill Liability Insurance

RECOMMENDATION:

Consider submitting an application for landfill liability insurance.

BACKGROUND:

At the last meeting Supervisor Sullivan suggested that we contact Trindel to see if we can acquire landfill liability insurance.

DISCUSSION:

I spoke with David Nelson of Trindel to find out more about the possibility of securing landfill liability insurance through Trindel. He said that six out of ten member Counties have landfill insurance through Trindel. The counties that do not have landfill insurance include Del Norte, Lassen, Plumas and Alpine (which does not have a landfill). Although Del Norte County has a pollution liability policy, it does not cover landfills.

The cost of landfill insurance for Trindel ranges from \$3000 to \$20,000 per year with a deductible ranging from \$25,000 to \$50,000, depending on the number of landfills in each County. Insurance is brokered through Alliant Insurance Services, which has said that it is not possible to give a "ball park" figure on the price for us to get insurance. According to Jan Ragan of Alliant, "The application and ground water reports are essential before rates can be developed. If the insured can furnish these two items, she will try to get an indication from the carrier. For a firm quote, financials and permits would also need to be provided."

FISCAL IMPACT:

The Proposed budget for Fiscal Year 2013/2014 includes \$5000 budget for this insurance.



May 16, 2013

Del Norte Solid Waste Management Authority
Attn: Kevin Hendrick, Director
1700 State St.
Crescent City, CA 95531

Re: Green waste collection service days

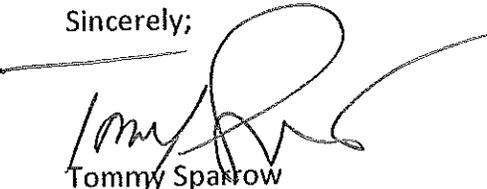
Dear Mr. Hendrick:

This letter is a request to change our current green waste collections service days of Monday - Friday to 1 day per week, on Wednesdays.

As per our Franchise Contract, Recology Del Norte currently provides a rate generated green waste collection to our customers who choose to participate in this service. Also per our Franchise Contract all additional services are scheduled for the same service day as refuse collection. At this time Recology Del Norte has 138 green waste customers. Most of these customers do not place their green waste carts out for service each and every week and as a result our entire green waste tonnage for the month of April was 5.48. Placing all green waste customers on a single service day would aide our company in our goal to reduce our carbon footprint.

In order to facilitate this goal a letter would be sent out to all participating green waste customers on Wednesday, May 29, 2013 advising them that the service day change would take effect on Wednesday, July 10, 2013. The customers with service on Monday, July 8th & Tuesday, July 9th would also receive service on Wednesday, July 10th, 2013 for this transition.

Sincerely;



Tommy Sparrow
General Manager

Attachments: April 2013 Green waste tonnage report
Letter to green waste customers

5.1

WEEK	GRNA	GRNC	GRNP	GRNR	OTHER
WEEK 01					
Mon 04/01	.05	.00	.00	.17	.00
Tue 04/02	.00	.00	.00	.17	.00
Wed 04/03	.00	.00	.00	.24	.00
Thr 04/04	.00	.00	.00	.00	.00
Fri 04/05	.00	.00	.00	.32	.00
Sat 04/06	.00	.00	.00	.00	.00
Sun 04/07	.00	.00	.00	.00	.00
WEEK 02					
Mon 04/08	.00	.00	.00	.01	.00
Tue 04/09	.00	.00	.00	.12	.00
Wed 04/10	.00	.00	.00	.39	.00
Thr 04/11	.00	.00	.00	.00	.00
Fri 04/12	.00	.00	.00	.94	.00
Sat 04/13	.00	.00	.00	.00	.00
Sun 04/14	.00	.00	.00	.00	.00
WEEK 03					
Mon 04/15	.04	.00	.00	.14	.00
Tue 04/16	.00	.00	.00	.25	.00
Wed 04/17	.00	.00	.00	.26	.00
Thr 04/18	.00	.00	.00	.00	.00
Fri 04/19	.00	.00	.00	.41	.00
Sat 04/20	.00	.00	.00	.00	.00
Sun 04/21	.00	.00	.00	.00	.00
WEEK 04					
Mon 04/22	.03	.00	.00	.11	.00
Tue 04/23	.00	.00	.00	.17	.00
Wed 04/24	.00	.00	.00	.45	.00
Thr 04/25	.00	.00	.00	.00	.00
Fri 04/26	.00	.00	.00	.79	.00
Sat 04/27	.00	.00	.00	.00	.00
Sun 04/28	.00	.00	.00	.00	.00
WEEK 05					
Mon 04/29	.04	.00	.00	.15	.00
Tue 04/30	.00	.00	.00	.23	.00
TOTAL ALLOCATION	.16	.00	.00	5.32	.00



May 29, 2013

Dear Valued Customer:

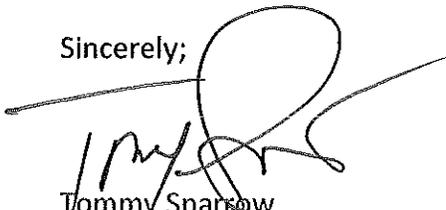
In a further attempt to reduce Recology Del Norte's carbon footprint our company will be consolidating the Green Waste collection service from a Monday – Friday schedule to once per week on Wednesdays effective Wednesday, July 10, 2013.

What this means to you, our customer, is that your green waste collection may not coincide with your refuse collection day. If you are currently scheduled to have green waste collection on Monday, July 8th or Tuesday, July 9th you will receive 2 pickups that week at no additional cost, your current scheduled day and on Wednesday July 10th. For customers with a current Wednesday collection day there will be no change to your services. However, if you are currently scheduled for green waste collection service on Thursday, July 11th or Friday, July 12th you will need to place your green waste cart out for collection on Wednesday July 10th.

From July 10, 2013 on all green waste collection will occur on Wednesdays except during a holiday schedule when the green waste collection would be moved Thursdays.

If you have any questions, please contact our office at the below listed number and/or addresses.

Sincerely;



Tommy Sparrow
General Manager

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, this Ordinance must be approved by both the Crescent City 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. This rate may be decreased at any time by resolution of the Board. On July 1 of each year beginning in 2014, this rate may be increased in accordance with 80% of the change in Consumer Price Index for all Urban Consumers (CPI) by resolution of the Board. This rate 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 ___ day of _____, 2013 by the following polled vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

Michael Sullivan, Chair

ATTEST:

Antoinette Self, Clerk

APPROVED by the Crescent City Council on the ___ day of _____, 2013 by the following polled vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

Richard Enea, Chair

ATTEST:

Public Scale Rate Ordinance

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



Del Norte Solid Waste Management Authority

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

Staff Report

Date: 13 May 2013
To: Commissioners of the Del Norte Solid Waste Management Authority
From: Tedd Ward, Program Manager *Tedd*
Subject: Expanding Paint Recovery & Transfer Station Operations Change Order 17

Recommendation: That the Board approve and adopt Change Order 17, attached.

Background: Since 2007, when the Authority adopted Resolution 2007-06 Supporting Extended Producer Responsibility, under direction by the Authority Board, the Authority Director has served on the Board of the California Product Stewardship Council (CPSC). For most communities including Del Norte, costs for managing paint and paint related materials are a relatively large percentage of the disposal costs associated with our household hazardous waste programs.

Since its inception, CPSC has focused its efforts to establish product stewardship programs for hazardous products banned from disposal in California, with architectural coating products such as paint being high priority target materials. In large part due to the efforts of groups like CPSC, in 2010, AB1343 was signed into law, establishing California's Architectural Paint Stewardship Program. Since that time, CalRecycle has designated PaintCare as the Product Stewardship Organization (PSO) responsible for compliance with this new law by establishing recovery programs for architectural coatings in every county in California. This program is paid for by a fee of 75 cents per gallon assessed on paint sold in California, and these fees have been collected since 19 October 2012. At this time, PaintCare has not yet established a collection program for architectural coatings in Del Norte County, though these fees are being collected.

Analysis: If adopted, Change Order 17 will expand the types of paints accepted daily at the Del Norte County Transfer Station (DNCTS) without additional costs to our

13 January 2012

1 Printed on >30% post-consumer recycled paper

\\Tedd\TRANSFER\Operations\Change Orders\201305_CO_17 Staff Report.doc

A Joint Powers Authority of

the City of Crescent City and County of Del Norte
& member, North Coast Recycling Market Development Zone

6.2

customers, to include oil-based paints, stains, and coatings. This change will also likely reduce the costs for the Authority's annual household hazardous waste (HHW) collection event, as most paint-related materials will be accepted daily at the DNCTS, and any architectural coatings brought to the HHW collection event will also be managed under the PaintCare program.

This contract arrangement, in which the Authority empowers Hambro/WSG to contract with parties to collect, process, and market materials managed at the DNCTS is consistent with how most all materials processed through the DNCTS, with Hambro/WSG being the 'Arranger' for processing, recovery and disposal.

Alternatives: **1.** No action. Daily collection of non-aerosol latex paint would still be disposed daily at the DNCTS, but oil-based paints and stains would be collected only during our annual HHW collection event.

2. Take no action on Change Order 17, but direct Authority staff to negotiate an agreement with PaintCare to collect, process and recycle or dispose of architectural coatings collected during our annual HHW collection event.

Fiscal Impact: Both Hambro/WSG and Authority staff are eager to begin this program to reduce our costs for managing discarded paint. In 2012, the cost for disposal of paint and paint-related materials collected during our household hazardous waste collection event was \$3,870, or just under 30% of the disposal costs for the whole event. This is the only time during the year when residents can legally dispose of enamel or oil-based paints or stains. In 2011, this paint disposal cost was \$4,986, and it was \$8,514 in 2010. These costs are in addition to the costs for Hambro/WSG to handle, process, and dispose of the latex paint received daily for no charge at the Del Norte County Transfer Station.

TRANSFER STATION OPERATIONS CHANGE ORDER 17

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

CONTRACTOR: HAMBRO / WASTE SOLUTIONS GROUP
AGENCY: DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY
SUBJECT: AUTHORIZATION TO CONTRACT FOR PAINT RECOVERY

NATURE OF CHANGES: This Change Order authorizes Contractor to execute an agreement with PaintCare, or an equivalent product stewardship organization (PSO) approved by the California Department of Resources, Recycling and Recovery (CalRecycle) to administer paint and architectural coatings recovery and recycling operations in California. Acceptable 'architectural coating products' under this program include: interior and exterior latex, acrylic, alkyd, oil-based and enamel paints, deck coatings and floor paints, primers, sealers, undercoaters, stains, shellacs, lacquers, varnishes, and urethanes, waterproofing concrete/masonry/wood sealers and repellants, metal coatings and rust preventatives, and field and lawn paints. Thinners, solvents, caulk, marine paint, tar and roofing materials, road, and two-component paints are excluded from the defined 'architectural coating products.'

This Change Order expands the Recyclable Household Hazardous Wastes authorized to be accepted at the Del Norte County Transfer Station, replacing all instances in the Agreement and Contract Documents describing the acceptance of 'non-aerosol latex paint' with the acceptance of 'architectural coatings,' as described in the preceding paragraph.

Contractor and PSO will indemnify the Authority for receiving, processing, storage, reuse and collection of architectural coatings in the same manner as required under Section 11 of Division IV of the Agreement. Contractor will provide summaries of architectural coatings received under this program within the Annual Report described in Section 5.B. of Division I of the Agreement and will provide any information needed to update the permit documents for the Del Norte County Transfer Station to describe activities related to receipt, storage and recovery of architectural coatings. If PaintCare or an equivalent PSO for recovery of architectural coating products ends or violates its Agreement with Contractor, and no other PSO can be contracted to provide equivalent services in a timely manner, Contractor will notify and seek approval from the Authority prior to changing, discontinuing, or charging fees for recovery services for architectural coating products at the Del Norte County Transfer Station.

Contract Time: Remains unchanged.

Contract Price: This Change Order makes the following changes to the Contract Price: Contractor will not be paid by the Authority or customers of the Del Norte County Transfer Station for receiving or processing such architectural coatings, but may receive payments for receiving, processing, storing, or reusing such materials from the PSO.

TRANSFER STATION OPERATIONS CHANGE ORDER 17

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

5/22/13

To: Kevin Hendrick, Director DNSWMA

From: Wes White, CEO Hambro WSG

Re: Performance Bond

As per the Hambro WSG and DNSWMA agreement for the operations of the transfer station in order to secure that the operator (Hambro WSG) faithfully performs the obligations laid out in the agreement, the agreement requires that bond, a letter of credit or a certificate of deposit be in place in the amount of \$300,000 held in the name of the authority.

To date Hambro WSG has had a certificate of deposit on hand as per the agreement. Should a performance bond be in place instead, the agreement calls for a bond with a credit rating of "A". Hambro WSG is asking for a deviation from the required "A" rating and instead put a bond in place with a "B++" rating.

My understanding from the insurance industry is that while several years ago an "A" rated bond was commonplace since the financial crisis the most common bond now is a "B++" rated bond.

I have attached a letter from our insurance carrier verifying the above statement.

The request comes as it simply is good business practice to place a bond rather than tie up one's cash in a certificate of deposit.

Thank you for your consideration.

Wes White

CEO

6.3



McGRIFF, SEIBELS & WILLIAMS OF OREGON, INC.

INSURANCE BROKERS

May 22, 2013

Hambro WSG, Inc.
1700 State Street
Crescent City, CA 95531

RE: Performance Bond
Lexon Insurance Company
B++ (Good) Rating

To whom it may concern:

We, McGriff, Seibels & Williams of Oregon, Inc. are the current acting Insurance Agent for Hambro WSG, Inc. We have actively pursued Performance Bonding options for work performed by our insured servicing Del Norte County.

Over the past 5 years, many Insurance Companies have eliminated their Bond Practices due to the massive Financial Downturn that our economy has, and continues, to work through: Historically, there were many "A" Rated Insurance Companies that wrote these types of bonds regularly. However, due to the downturn these companies are now few with "B" Rated Insurance Companies writing the majority of these types of bonds.

Through our efforts, we were able to find a company willing to take on this bonding project by the name of Lexon Insurance Company. They are a B++ Rated company. While they are not an "A" rated company, their B++ rating proves to be strong in this tough bonding climate. We as an agency have multiple bonds placed with Lexon Insurance Company and have not had any problems to date.

Please consider this letter during your assessment of Lexon Insurance Company as a potential bonding partner of Hambro WSG, Inc. and Del Norte County.

Sincerely,

Tyler Ashton
McGriff, Seibels & Williams of Oregon, Inc.



Del Norte Solid Waste Management Authority

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

May 22, 2013

To: Board of Commissioners, Del Norte Solid Waste Management Authority
From: Kevin Hendrick, Director
RE: Proposed Budget for Fiscal Year 2013/2014

RECOMMENDATION:

- 1) Review and provide comments on the proposed budget for Fiscal Year 2013/2014;
- 2) Direct staff to transmit the proposed budget to the Del Norte County Board of Supervisors and the Crescent City Council as required by the JPA and return with any written comments that are adopted by these boards;
- 3) Schedule a Public Hearing and provide public notice for the final adoption of the Budget at 3:45 PM on Tuesday, June 25.

BACKGROUND:

The joint powers agreement that formed the Del Norte Solid Waste Management Authority (Authority) requires that each year, prior to adoption, the proposed Authority budget shall be transmitted to the Board of Supervisors and the City Council. If the City or the County have specific comments, objections, additions or deletions to the proposed budget either party shall notify the Authority Board of this in writing, before final adoption. Any additional comments that the City or County have may be presented before or during the Public Hearing that is scheduled to adopt the final budget. The public hearing should be scheduled at 3:45PM on June 25, 2013.

DISCUSSION:

Expenses

The proposed budget for Fiscal Year 2013/2014 (attached) was prepared in consultation with the County Auditor's office, which provided projections for the annual cost of Salaries and Benefits, Depreciation and the "Interfund Cost Plan", which is the charge for our share of County services.

Most operating expenses are the same as last year. The greatest single expense increase is the charge for County health insurance. This cost has increased \$24,088. We also

propose to increase the budget for temporary employees, to cover the extra expense of filling in the scheduled absence of a permanent employee for all of July and August.

In anticipation that the Board may want to procure landfill liability insurance, we have budgeted an additional \$5000 for Liability Insurance (10151)

There are also increases in four budget lines to provide additional funding for landfill related work that is anticipated to continue into the next fiscal year. These lines are for Professional Services (20231), Post-closure Maintenance (20239-01), Minor Equipment (20270), and Special Department Expenses (20285).

Due to increased use of credit cards, we have projected an increase in Credit Card Service Fees (20237).

A notable decrease in expenses is a reduction in our budgeted Depreciation Expense which has been reduced \$12,292, from \$110,267 this year to \$97,975 next year, because some of the items have been fully depreciated.

Revenue

The two main sources of revenue for Authority operations are the Franchise Fees (90153) and Authority Service Fees (91004), about 1/3 of the transfer station tipping fees.

Proposed Franchise Fees are based on projected revenue this year. We calculated Franchise Fees using the 10 month actual and projected 12 months (\$241,550) then multiplied this amount by the Recology CPI adjustment (1.26%) to equal \$244,593.

Proposed Authority Service Fees are based on projected revenue this year. We calculated Authority Service Fees using the 10 month actual and projected 12 months (\$953,888) then multiplied this amount by the Transfer Station Fee CPI adjustment (1.67%) to equal \$969,817.

The largest revenue line is TS Gate Fees (91003) \$1,760,000, about 2/3 of the transfer station tipping fees. This is the main source of revenue to pay Hambro/WSG. We have budgeted \$1,800,000 to pay Hambro/WSG paid from the Transfer Station Operations line (20239). \$1,760,000 is paid from line (91003). \$40,000 is paid from Authority Service Fees (91004), which are collected at the Gasquet and Klamath Transfer Stations.

We also have four grants budgeted this year, totaling \$60,000. Two \$15,000 grants are from the Department of Conservation (DOC) for promoting beverage container recycling. One DOC grant will carry over from this fiscal year and the second is a new grant for this year. Similarly we have two \$15,000 grants from CalRecycle for promoting used motor oil recycling. One OIL grant will carry over from this year and the second is a new grant this year.

I will be prepared to answer questions at the meeting, but if you need me to provide any additional documentation, please let me know by 9AM on Tuesday.

DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY PROPOSED BUDGET 2013/2014

422-421

05/22/13

Page 1

EXPENDITURE BUDGET		Final		Budget	increase
		Budget	Proposed		(decrease)
Line Item	Description	2012	2013	2013	2014
Salaries and Benefits					
10010	Full Time Payroll	306,207	306,724	517	CO
10012	Overtime	1,000	1,000		
10015	Temporary Employees	8,300	16,600	8,300	CO
10020	Retirement Benefits	84,965	84,693	-272	CO
10030	Employee Benefits	59,155	83,243	24,088	CO
10033	Employee Life Insurance	332	331	-1	CO
10035	Management Life Insurance	1,299	1,295	-4	CO
10040	Worker's Compensation	29,798	26,890	-2,908	CO
Total Salaries and Benefits		491,056	520,776	29,720	
Services and Supplies					
20121	Communications	2,200	2,200		
20140	Household Expense	3,500	3,500		
20150	Insurance - Office	5,850	6,200	350	
20151	Liability Insurance	2,500	7,500	5,000	LF Ins
20152	Vehicle Insurance	1,400	1,400		
20155	Liability Insurance	2,573	2,573		
20170	Maintenance of Equipment	500	500		
20171	Maintenance - Vehicles	500	500		
20175	Maintenance - Computers	500	500		
20180	Maint - Structures	500	500		
20200	Memberships	7,500	7,500		
20221	Printing	400	400		
20221-069	Printing - DOC Grant 2011/2012	400	0	-400	
20221-067	Printing - DOC Grant 2012/2013	400	400		
20221-XXX	Printing - DOC Grant 2013/2014	0	400	400	
20221-074	Printing - Oil Grant 2011/2012	1000	0	-1000	
20221-060	Printing - Oil Grant 2012/2013	1000	1000		
20221-XXX	Printing - Oil Grant 2013/2014		1000	1000	
20223	Postage	1,400	1,400		
20224	Office Supplies	7,000	7,000		
20227	Books & Subscriptions	399	399		
20230	Prof. Serv. - County/City	20,000	20,000		
20231	Prof. Serv.	2,500	10,000	7,500	LF

DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY PROPOSED BUDGET 2013/2014

Page 2				
EXPENDITURE BUDGET		Final	Budget	increase
		Budget	Proposed	(decrease)
Line Item	Description	2012	2013	2013
		2013	2014	
20232	Prof. Serv. - Well Monitoring	30,000	30,000	
20233	Audit	8,850	9,500	650
20234	Legal Counsel	12,000	12,000	
20235	Treasurer	4,500	4,500	
20236	Security	500	500	
20237	Credit Card Service Fees	4,000	6,822	2,822
20238	TS Collection	27,000	28,000	1,000
20239	Transfer Station Operations	1,800,000	1,800,000	
20239-01	Post Closure Maintenance	5,000	10,000	5,000
20240	Advertising/Publications	1,000	1,000	
20240-074	Advertising - Oil Grant - 2011/2012	3,500	0	-3,500
20240-060	Advertising - Oil Grant - 2012/2013	3,500	3,500	
20240-XXX	Advertising - Oil Grant - 2013/2014	0	3,500	3,500
20240-069	Advertising - DOC Grant - 2011/2012	1,482	0	-1,482
20240-067	Advertising - DOC Grant - 2012/2013	2,600	2,600	
20240-XXX	Advertising - DOC Grant - 2013/2014	0	2,600	2,600
20250	Lease of Equipment	3,500	3,500	
20251	Lease of Gasquet Transfer Station	700	700	
20269	Lease Payment - Card Machine	0	0	
20270	Minor Equipment	2,500	4,000	1,500
20280	Delivery Service	600	600	
20281	Household Hazardous Waste Event	35,000	32,000	-3,000
20283	Community Clean Up County	5,000	5,500	500
20285	Special Dept. Expense	1,500	2,500	1,000
20285-074	Spec Dept Exp - Oil Grant - 2011/2012	6,500	0	-6,500
20285-060	Spec Dept Exp - Oil Grant - 2012/2013	6,500	6,500	
20285-XXX	Spec Dept Exp - Oil Grant - 2013/2014	0	6,500	6,500
20285-069	Spec Dept Exp - DOC Grant - 2011/2012	4,605	0	-4,605
20285-067	Spec Dept Exp - DOC Grant - 2012/2013	6,000	6,000	
20285-XXX	Spec Dept Exp - DOC Grant - 2013/2014	0	6,000	6,000
20286	Cash Over/Under	182	190	8
20287	Recology Other Collections	0	0	
20288	City Collections	17,000	17,500	500
20290	Travel	3,000	3,000	

CPI

LF

LF

CPI

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DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY PROPOSED BUDGET 2013/2014

Page 3				
EXPENDITURE BUDGET				
		Final	Budget	increase
		Budget	Proposed	(decrease)
<i>Line Item</i>	<i>Description</i>	2012	2013	2013
		2013	2014	
20290-069	Travel - DOC Grant 2011/2012	2,000	0	-2,000
20290-067	Travel - DOC Grant 2012/2013	2,000	2,000	
20290-XXX	Travel - DOC Grant 2013/2014	0	2,000	2,000
20290-074	Travel - Oil Grant - 2011/2012	1,000	0	-1,000
20290-060	Travel - Oil Grant - 2012/2013	1,000	1,000	
20290-XXX	Travel - Oil Grant - 2013/2014	0	1,000	1,000
20291	Commissioner Expense	0	0	
20297	Vehicle Fuel	1,500	2,100	600
20300	Utilities	0	0	
20301	State Fees	55,415	55,415	
Total Services and Supplies		2,121,456	2,147,399	25,943
Fixed Assets				
40620-400	Computer Equipment	0	0	
40620-300	Resource Recovery Park	0	0	
40620-500	Other Equipment	0	0	
40620-600	Vehicle	0	0	
Total Fixed Assets		0	0	
Total Operating Expenses		2,612,512	2,668,175	55,663
Other				
70530-199	Interfund Cost Plan	48,328	51,639	3,311 CO
70530-025	Transfer Station Loan Payments	203,500	203,000	-500
30490	Depreciation	110,267	97,975	-12,292 CO
70800	Post Employment Benefits	11,125	11,125	
Total Other		373,220	363,739	-9,481
81000	Contingency	5,000	5,000	
TOTAL		2,990,732	3,036,914	46,182

DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY PROPOSED BUDGET 2013/2014

Page 4				
REVENUE BUDGET				
		Final	Budget	increase
		Budget	Proposed	(decrease)
Line Item	Description	2012 2013	2013 2014	
90153	Franchise Fees	257,000	244,594	-12,406
90210	Code Enforcement Restitution	1,000	500	-500
90300	Interest	2,000	1,000	-1,000
90650-074	Oil Grant - 2011/2012	15,000	0	-15,000
90650-060	Oil Grant - 2012/2013	15,000	15,000	
90650-XXX	Oil Grant - 2013/2014	0	15,000	15,000
91004	Authority Service Fees	912,246	969,820	57,574
91003	TS Gate Tipping Fees (Operator)	1,760,000	1,760,000	
91121	Misc./Reimbursements	1,000	1,000	
91124	Misc. Revenue	0	0	
91129-069	DOC Grant 2011/2012	12,486	0	-12,486
91129-067	DOC Grant 2012/2013	15,000	15,000	
91129-XXX	DOC Grant 2013/2014	0	15,000	15,000
	Total Revenues	2,990,732	3,036,914	46,182
	GRAND TOTAL REVENUES	2,990,732	3,036,914	46,182

KEY TO ABBREVIATIONS
 LF LANDFILL
 CPI CONSUMER PRICE INDEX INCREASE
 CO PROJECTION PROVIDED BY COUNTY
 LF INS LANDFILL INSURANCE
 DOC DEPARTMENT OF CONSERVATION



Del Norte Solid Waste Management Authority

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

May 22, 2013

To: Board of Commissioners, Del Norte Solid Waste Management Authority

From: Kevin Hendrick, Director

RE: Evaluation of Alternatives to the Del Norte Solid Waste Management Authority

RECOMMENDATION:

Discuss options and identify questions that City Council and Board of Supervisors have related to a possible evaluation of the Del Norte Solid Waste Management Authority and alternatives such as withdrawal from the JPA or privatization.

BACKGROUND:

At the April Authority Board meeting, Supervisors Sullivan and Gitlin expressed an interest in discussing the possibility of developing a Request for Proposals to privatize solid waste and sell the transfer station. This item was scheduled to accommodate this request, in order that all the Board members may discuss this option, as well as other alternatives.

DISCUSSION:

Prior to committing to withdraw from the Del Norte Solid Waste Management Authority or to sell the transfer station, it would be prudent to have answers to the many questions that have arisen in the last month regarding these choices. To some extent it will be necessary to refine the description of the actions that are envisioned, so that the right questions are asked.

These topics were discussed recently at a joint City/County meeting. Although there was hesitation by most to only pursue the option of privatization, the majority expressed a willingness to consider conducting a broad study of alternatives, including withdrawal from the JPA, privatizing functions of the JPA or keeping the JPA in place and making improvements where needed. However there was some concern expressed about the cost of paying for a consultant to complete this study. It is likely that many of the questions

can be answered by existing staff of the Authority, the City or the County. This would be the most cost effective first step.

Without having a more clear direction from the Board it is difficult to anticipate all of the questions that would need to be answered, but it will be worth the time to discuss this further at the Board meeting so that the Commissioners can decide as a group what the next course of action should be. For example, depending on what we mean by privatization or selling the transfer station, some questions can be posed to the California Infrastructure and Economic Development Bank (I-Bank). This is the State agency that provided the tax-exempt financing for the transfer station construction. If we are contemplating privatizing the gate or selling the transfer station, it would be wise to get a determination from the I-Bank before proceeding.

Other questions have been raised related to withdrawal from the JPA. The first question was answered at the City/County meeting by Bob Black. What is the process of withdrawing from the JPA? Answer: It takes 3 votes of either the City Council or the Board of Supervisors or both and a written notice to the other party. After 180 days the JPA is dissolved.

The more difficult question is what will be the consequences for the City or the County if the JPA is dissolved? Two issues stand out. First, the City and County would need to negotiate a settlement on ownership of the assets, including the land and the transfer station. Second, the City and County would need to resolve how the liability and responsibility for the landfill will be apportioned. Since the City and County are likely to have different positions on these issues, it is unlikely that an outside attorney can answer these questions in advance. Either these issues would be negotiated or they would be settled in court.

This is not intended to be an exhaustive discussion of all of the issues that should be considered prior to changing the current structure. If the Board members can provide more specific guidance to staff, we will work with City and County staff to provide more complete information to help guide the decisions on these matters.

**AGREEMENT FOR
CLERK SERVICES**

THIS AGREEMENT for consulting services ("Agreement") is made as of the Agreement Date set forth below by and between the Del Norte Solid Waste Management Authority, ("Authority"), and Karen Phillips, dba PS Business Services ("Contractor").

In consideration of the Services to be rendered and the sums to be paid therefore, and each and every covenant and condition contained herein, the parties agree as follows:

1. IDENTIFICATION OF CONTRACTOR. The name, address, and phone number of Contractor are Karen Phillips, dba PS Business Services, 501 "H" Street, Crescent City, CA 95531 (707) 464-9651. Contractor is an Individual.

2. SERVICES. The services provided by Contractor, or contractor's employees, consist of clerking and administrative support services, i.e. attending monthly meetings, taking minutes and providing original copies of the same. Completed draft minutes shall be delivered to the Authority for inclusion in the agendas and final minutes will be delivered after Board adoption. Contractor shall also make such reports and provide such information to the Authority in a timely manner, as Authority shall reasonably require. Contractor shall be provided with electronic copies of the meeting agendas and board packet from Authority in compliance with the Brown Act.

3. TERM. The term of this contract shall be from June 1, 2013 through May 30, 2014. The contract may be renewed or amended based on the availability of funds and upon written agreement of both parties.

4. PAYMENT. Authority shall pay Contractor at a rate of Forty Dollars and No/100s (\$40.00) per hour. The total compensation paid to Contractor under this agreement shall not exceed Two Thousand Dollars and No/100s (\$2,000).

Contractor shall submit requests for payment after completion of services no later than the fifth day of the month following provision of services. Requests for payment shall be submitted to the following address:

Del Norte Solid Waste Management Authority
1700 State Street
Crescent City, CA 95531

Authority shall not pay Contractor for meals, lodging or other travel costs not included in this Agreement unless such costs are approved in advance by the Authority representative who executed this Agreement, or his/her designee. If the Authority pays Contractor for meals, lodging or other travel costs, Authority shall pay Del Norte County per diem rates in effect on the dates such costs were incurred by Contractor. Services

performed by Contractor and not authorized in this Agreement shall not be paid for by Authority. Payment for additional services shall be made to Contractor by Authority if, and only if, this Agreement is amended by both parties in advance of performance of any additional services.

5. FACILITIES. Contractor shall at his/her sole cost and expense, furnish all facilities, equipment, and other materials which may be required for furnishing services pursuant to this Agreement, with the exception of the digital or audio recording equipment. The Authority shall supply the equipment necessary to produce audio records of the meetings.

6. DESIGNATED REPRESENTATIVES. Kevin Hendrick, Executive Director is the representative of the Authority and will administer this Agreement for the Authority. Karen Phillips is the authorized representative for the Contractor.

7. INDEPENDENT CONTRACTOR. At all times during the term of this Agreement, Contractor shall be responsible for Contractor's own operating costs and expenses, property and income taxes, worker's compensation insurance, and any other costs and expenses in connection with the performance of services under this Agreement. Contractor agrees that he or she shall not be an employee of the Authority. Authority shall not have the right to control the means by which Contractor accomplishes services rendered pursuant to this Agreement.

8. LICENSES, PERMITS, ETC. Contractor represents and warrants to Authority that he/she has all licenses, permits, qualifications and approvals legally required for Contractor to practice his or her profession. If at any time Contractor ceases to have the licenses, permits, qualifications or approvals required for Contractor to practice his or her profession, Contractor will immediately notify Authority and this Agreement may be terminated at Authority's sole discretion.

9. INSURANCE. During the term of this Agreement, Contractor shall maintain in full force and effect a policy of automobile insurance with bodily injury coverage \$100,000 per occurrence/\$300,000 aggregate. Contractor shall provide Authority with proof of current insurance at the request of Authority's designated representative.

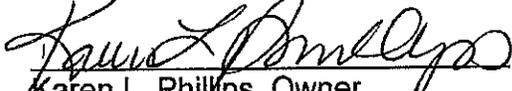
10. STANDARD OF PERFORMANCE. Contractor shall perform all services required pursuant to this Agreement in the manner and according to the standards observed by competent practitioners of the profession in which Contractor is engaged.

11. INDEMNITY. Contractor shall defend, indemnify, and hold harmless Authority, and its elected and appointed officers, agents and employees from any liability for damage or claims for damage for personal injury, including death, as well as for property damage, which may arise from the intentional or negligent acts or omissions of Contractor in the performance of services rendered under this Agreement.

12. TERMINATION. Authority and Contractor shall each have the right to terminate this Agreement upon 30 days written notice to the other party.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on May 28, 2013.

PS BUSINESS SERVICES'


Karen L. Phillips, Owner

DEL NORTE SOLID WASTE MANAGEMENT AUTHORITY

Kevin Hendrick, Director

APPROVED AS TO FORM:

Martha Rice, Legal Counsel

RESOLUTION NO. 2013-02

**A RESOLUTION OF THE BOARD OF COMMISSIONERS
OF THE DEL NORTE SOLID WASTE MANAGEMENT
AUTHORITY APPOINTING A CLERK OF THE BOARD**

WHEREAS, the Board of Commissioners convenes monthly to conduct business of the Del Norte Solid Waste Management Authority; and

WHEREAS, the Board of Commissioners requires the services of a clerk to prepare and post agendas, take minutes of the meetings, attest signatures, and other common tasks assigned to clerks of governing boards;

NOW THEREFORE BE IT RESOLVED that Karen Phillips is appointed to serve as Clerk of the Board of Commissioners of the Del Norte Solid Waste Management Authority.

PASSED AND ADOPTED by the Board of Commissioners of the Del Norte Solid Waste Management Authority this 28th day of May, 2013.

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST:

Rich Enea, Chair
Del Norte Solid Waste Management Authority

Karen Phillips, Clerk of the Board
Del Norte Solid Waste Management Authority