

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:)
)
PROPOSED AMENDMENTS TO CLEAN)
CONSTRUCTION OR DEMOLITION) R 2012-009
DEBRIS (CCDD) FILL OPERATIONS:) (Rulemaking - Land)
PROPOSED AMENDMENTS TO 35 Ill.)
Adm. Code 1100)

NOTICE OF FILING

TO: SEE ATTACHED SERVICE LIST

PLEASE TAKE NOTICE that I have electronically filed today with the Illinois Pollution Control Board the Office of the Attorney General's First Notice Post Hearing Comments, a copy of which is hereby served upon you.

Dated: April 18, 2012

Respectfully submitted,

PEOPLE OF THE STATE OF ILLINOIS,
by LISA MADIGAN, Attorney
General of the State of Illinois

BY:


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**THE OFFICE OF THE ATTORNEY GENERAL'S
FIRST NOTICE POST HEARING COMMENTS**

The Office of the Attorney General, on behalf of the People of the State of Illinois, ("People") hereby files its First Notice Post Hearing Comments in this matter, as provided by the Illinois Pollution Control Board ("Board") Hearing Officer Order issued on March 14, 2012.

I. CCDD Has Always Been And Continues To Constitute Waste, Unless It Meets One Of The Use Exceptions Provided In Section 3.160(b) Of The Act And That Use Removes It From Being Considered A Waste Under Federal Law.

In support of its decision to reject the need for groundwater monitoring at CCDD dump sites, the Board stated that "CCDD and uncontaminated soils are by statutory definition clean and uncontaminated *and not a waste.*" February 2, 2012 Board Order at p. 57 (*Emphasis added*). Respectfully, the Board's February 2, 2012 assertion that CCDD is not waste is unsupported by legal precedent and constitutes a complete departure from the clear and unambiguous statutory language of the Act.

A. CCDD Is Waste Unless The Proponent Can Not Only Show That It Falls Within One Of The Exceptions Provided in Section 3.160(b) Of The Act, But Also Demonstrate That Such Excepted Use Removes CCDD From Being Considered A Waste Under Federal Law.

In fashioning appropriate regulations for CCDD facilities, the starting point must be the bedrock upon which the regulations must rest: the language of Sections 3.160, 20, and 22.51 and the rules of statutory construction expressed by the courts. 415 ILCS 5/3.160, 20, and 22.51

(2010). In Section 20 of the Act, the legislature clearly expressed its intent that the Act be construed as consistent with federal law. Section 20 expressly provides that “*it would be inappropriate for the State of Illinois to adopt a solid waste management program that is less stringent than or conflicts with federal law.*” 415 ILCS 5/20(a)(12); *see generally* 415 ILCS 5/20(a)(11) – (15) and (b). Section 22.51(d) of the Act provides that “[t]his Section applies only to clean construction or demolition debris that is not considered “waste” as provided in Section 3.160 of this Act. 415 ILCS 5/ 22.51(d). The applicable portion of Section 3.160(b), then, provides four use exceptions regarding CCDD, of which only the first exception is relevant for purposes of this rulemaking proceeding:

To the extent allowed by federal law, clean construction or demolition debris shall not be considered “waste” if it is (i) used as fill material outside of a setback zone if the fill is placed no higher than the highest point of elevation existing prior to the filling immediately adjacent to the fill area, and if covered by sufficient uncontaminated soil to support vegetation within 30 days of the completion of filling or if covered by a road or structure, and, if used as fill material in a current or former quarry, mine, or other excavation, is used in accordance with the requirements of Section 22.51 of this Act and the rules adopted thereunder or (ii). . . .

415 ILCS 5/3.160(b) (*Emphasis added*).

In construing Section 3.160(b) of the Act, the Appellate Court relied on basic statutory construction principles:

The fundamental rule of statutory construction is to ascertain and give effect to the intention of the legislature. “The language of the statute is the most reliable indicator of the legislature's objectives in enacting a particular law.” The words used by the legislature are to be given their plain and ordinary meaning, all provisions of an enactment are to be viewed a whole, and words and phrases must be construed in light of relevant provisions of the statute rather than in isolation. *Each word, clause or sentence must be given reasonable meaning and should not be deemed superfluous or void.*

People ex rel. Madigan v. Lincoln, Ltd., 383 Ill.App.3d 198, 205 (1st Dist. 2008) (*Emphasis added*) (Citations omitted).

In *People ex rel. Madigan v. Lincoln, Ltd.*, the Appellate Court held that “[c]lean

construction or demolition debris constitutes 'waste' under the meaning of the Act, unless it comes within one of the exemptions created by the Illinois legislature." 383 Ill.App.3d at 203. In addition, the Appellate Court held that the party arguing that the exemption applies bears the burden of establishing that the CCDD falls within a statutory exemption. *Lincoln, Ltd.*, 383 Ill.App.3d at 208.

Based upon the well-established principles of statutory construction,, it is clear that under the Act, the party claiming that CCDD is not waste must make two showings: first, that the CCDD comes within one of the four enumerated exceptions in Section 3.160(b); and, second that the excepted use removes the CCDD from being considered a waste under federal law, ensuring that the Act is not less stringent than federal law as required in Section 20.

Accordingly, the failure of the proponent to show that federal law allows CCDD to be considered non-waste would run contrary to the General's Assembly's clearly expressed intent and would not comport with the requirement that for the statute at issue (i.e. 415 ILCS 5/3.160 "[e]ach word, clause or sentence must be given reasonable meaning and should not be deemed superfluous or void." *Lincoln, Ltd.*, 383 Ill.App.3d at 205 (citing) *Raintree Homes, Inc. v. Village of Long Grove*, 209 Ill.2d 248, 256 (2004).

B. At This Time There Has Been No Explicit Determination That Federal Law Allows CCDD To Be Considered Anything Other Than Waste.

The People are not aware of any Illinois court decision, Board administrative determination, or opinion from the U.S. EPA that addresses the extent, if any, to which federal law allows CCDD used as fill material¹ to not be considered a waste. Given the Act's clear language, the Board or any parties in this proceeding, who advocate that CCDD when used as fill material is not waste, must establish that federal law supports this conclusion. This need is

¹ That is fill material placed no higher than the highest point of elevation existing prior to the filling immediately adjacent to the fill area. 415 ILCS 5/3.160

especially true where, as here, the Board intends to promulgate regulations that do not provide the sort of regulatory protections that accompany waste disposal facilities,² such as the groundwater monitoring requirements, among other things, for which the Attorney General's Office has advocated in these proceedings.

If the Board cannot clearly find that federal law permits CCDD used as fill material to be considered something other than "waste," then the Board must adopt regulations consistent with the statutory fact that CCDD is a waste, and a waste which by its very definition may contain cancer causing chemicals in the form of PNAs (i.e. reclaimed or other asphalt). Even if the Board makes a determination that federal law allows CCDD to be considered something other than waste, then for the reasons set forth below and provided in the People's prefiled testimony, the People respectfully request, consistent with Sections 2, 11, and 22.51(f)(1) of the Act and Section 2 of the Illinois Groundwater Protection Act, that the Board adopt a more comprehensive approach in protecting the State's groundwater, which would include at a minimum groundwater monitoring and, as appropriate, corrective action for CCDD facilities. 415 ILCS 5/2, 11, and 22.51(f)(1) and 415 ILCS 55/2.

II. The Testimony Provided During The March 13 -14, 2012 Board Hearings Further Demonstrated The Need for Groundwater Monitoring at CCDD Fill Sites.

A. Soil Is Not The Only Contaminant In CCDD That Poses A Threat To State Groundwater.

During this rulemaking process, the focus has shifted to defining what constitutes "uncontaminated soil" rather than complying with the General Assembly's mandate to protect groundwater. For example, during the second day of public hearings on March 14, 2012, Ms. Manning testified:

[T]he questions is not is it a waste or isn't it is [sic] a waste in my mind. It's dirt and the

² See generally 35 Ill. Adm. Code Parts 807, and 810-815.

question is is the dirt clean enough to go there without an adverse impact on the groundwater. We're not talking about waste.

Tr. March 14, 2012, p. 57, ll. 5-8. In addition, Mr. Huff³ during his questioning of Mr. Sylvester regarding the People's pre-filed testimony which included a chart depicting elevated levels of PNAs (*see* p. 25 of People's prefiled testimony) stated: "Yeah, the origin of those PNAs, because reclaimed asphalt pavement is an acceptable material and could be well the source of those PNAs." Tr. March 13, 2012, p. 63, ll. 9-12. Also there was a very substantial portion of testimony provided during the March 13 and 14 hearings that focused solely on pH levels found in soils.

These statements are indicative of the shift in focus away from the larger picture in this rulemaking proceeding, namely, the protection of State groundwater from the potential impacts from the operation of CCDD dump sites. The definition for CCDD includes more than just uncontaminated soil (i.e. dirt). Specifically, the definition of CCDD "means uncontaminated broken concrete without protruding metal bars, bricks, rock, stone, reclaimed or other asphalt pavement, or soil generated from construction or demolition activities." 415 ILCS 5/3.160(b) (2010). As Mr. Huff pointed out, CCDD, in the form of asphalt, is rife with contaminants, including PNAs, which can pose a threat to groundwater.

Moreover, in enacting Section 22.51 and its subsequent amendment in 2010, the General Assembly clearly demonstrated its concern with the potential negative impacts associated with the disposal of CCDD and the inherent threat to the State's groundwater by ordering the Board specifically to "protect groundwater." For this reason alone, groundwater monitoring and appropriate corrective action should be included in the Board's Part 1100 CCDD Regulations.

³ During hearings on March 13, 2012, Mr. Huff asked that a copy of the Sample Results identified in the Attorney General's pre-filed testimony be provided during the comment period. A copy of the analytical data and cover letter dated December 22, 2000 regarding the Einoder facility is attached hereto as Exhibit I.

B. Soil Certification And Load Checking For CCDD Disposal Facilities Alone Is Insufficient To Ensure That These Facilities Will Not Impact State Groundwater.

As the People set forth in its prefiled testimony with regard to the regulation of CCDD, in the relatively short time that the Part 1100 regulations have been in effect, there have been a number of instances where enforcement action has been initiated for regulatory violations that call into question the ability to determine the nature of materials accepted by the facility. *See* Pre-Filed Testimony of the Attorney General's Office at pp. 26-28 (citing 11 enforcement actions against CCDD disposal owners/operators); *see also* p. 26 (citing 5 instances where highly regulated landfills were subject to enforcement for accepting materials for which they were not permitted).

The Illinois EPA's groundwater expert, Rick Cobb, provided a cogent summary of the Illinois EPA's rationale for groundwater monitoring at CCDD facilities:

There is no certification process that's absolutely perfect. And with the acceptance of large quantities of soil over time, and nearly the complete absence of any technical control such as liners to prevent any contamination, and the location of such facilities in these extremely highly sensitive geological areas with heavy reliance on groundwater as not only a current and future source of fresh water, we really think that for the CCDD and uncontaminated soil fill operations, that we must -- that the Board should consider the potential to cause groundwater contamination, and not just be thinking about contamination that's been caused and allowed. We emphasize that, because really the State's policy of preventing groundwater contamination is to prevent and protect groundwater resources from -- for current and future beneficial uses. And we believe that's the potential reason enough to justify groundwater monitoring in fill operations. This policy and the importance of the groundwater resource requires that any uncertainties really be resolved in favor of groundwater monitoring.

Tr. March 13, 2012, p. 22, ll. 10-24 and p. 23, ll. 1-11.

To comport with the General Assembly's mandate of protecting groundwater, a necessary first step is to require a reliable certification and screening process to limit the negative impacts of debris being dumped at a CCDD facility. However, it is just that -- a first step. As mentioned

above, non-CCDD (as well as CCDD in the form of asphalt) may, either through deliberate or inadvertent means, make its way into a CCDD dump site and thereafter negatively impact the groundwater. Without the requirement for groundwater monitoring at a site where CCDD is dumped and the concomitant requirement that appropriate corrective action be taken, the General Assembly's mandate to the Board to adopt regulations to protect groundwater would go unheeded.

Mr. Cobb provided testimony concerning Will County's nine CCDD dump sites and the number of people relying on groundwater for their needs.

And then it also gives the total for the nine CCDDs in Will County. And, you know, we have 398 potential private wells, 31 public non-community wells and 12 community water supply wells within those -- relative to those buffered areas around these sites. Further, what we did is we -- for the county itself, we determined the number of community water systems that use groundwater in Will County, and we have associated the populations served by each of those community water supplies and then provided a total for Will County. So about -- almost 350,000 people are served by groundwater supplies for community wells in Will County.

Tr. March 13, 2012, p. 20, ll. 18-24 and p. 21, ll. 1-8. Given this extensive reliance on groundwater by so many communities, it is worth repeating the old adage that "an ounce of prevention is worth a pound of cure." This is especially true in the area of groundwater protection. An investment in groundwater monitoring at these CCDD dump sites, a cost that could be passed on to the dumpers, far outweighs the potential negative impacts to groundwater and the people that rely on it, which could occur in an area like Will County.

Moreover, in the absence of groundwater monitoring, groundwater contamination will likely only be discovered once it has impacted people relying on wells for their water needs. When it charged the Board with promulgating standards and procedures necessary *to protect groundwater*, it is clear from the General Assembly's language that it did not envision a scenario which would leave the very People who are constitutionally guaranteed the right to a healthy

environment to attempt to determine whether a CCDD dump site has impacted their water supply. See ILCS Const. Art. 11, § 2 (Each person has the right to a healthful environment). Accordingly, the Board should adopt a more comprehensive approach in protecting the State's groundwater and, as a necessary part of that approach, require groundwater monitoring and, as appropriate, corrective action for these CCDD facilities.

Respectfully submitted,

PEOPLE OF THE STATE OF ILLINOIS,
by LISA MADIGAN,
Attorney General of the State of Illinois,

By:




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MATTHEW J. DUNN, Chief
Environmental Enforcement/
Asbestos Litigation Division

CERTIFICATE OF SERVICE

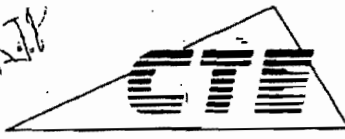
I, STEPHEN J. SYLVESTER, an Assistant Attorney General in this case, do certify that I caused to be served this 18th day of April, 2012, the foregoing Office of the Attorney General's First Notice Post Hearing Comments and Notice of Filing upon the persons listed on the Service List by depositing same in an envelope, first class postage prepaid, with the United States Postal Service at 100 West Randolph Street, Chicago, Illinois, at or before the hour of 5:00 p.m.



STEPHEN J. SYLVESTER

*****PC# 38*****

RJK



ENGINEERS

CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.

December 22, 2000

303 East Wacker Drive

Richard J. Prendergast, Ltd.
111 West Washington Street
Suite 1100
Chicago, IL 60602

Suite 600

Subject: Sampling Effort at Einoder Landfill
Analytical Results

Chicago, IL 60601-5276

Dear Mr. Prendergast,

Phone (312) 935 0300

Attached please find the analytical results from the Phase II sampling effort which was conducted at Einoder Landfill on April 17-21 and April 24, 2000. We have also enclosed a copy of the hand sketch and field notebook done at the time of the sampling which identifies the locations of the various samples that were taken.

Fax (312) 935 1109

The analytical results from the Phase II sampling effort were compared to the Tiered Approach to Corrective Action Objectives (TACO). Based on this comparison, several exceedences were noted (see attached listing). The exceedences noted indicate that the Einoder Landfill has been contaminated by polynuclear aromatic hydrocarbons and metals from landfill placed in the Einoder Landfill. Further sampling and analysis is necessary to determine the exact extent of the impacts.

Please note that additional sampling and testing would be required to further characterize the Einoder Landfill. Laboratory analyses were not conducted for all analytes regulated by TACO, and not all analyses were conducted for comparison to all of the TACO parameters.

Sincerely,

Consoer Townsend Envirodyne Engineers, Inc.

Cheryl M. Nash
Environmental Scientist

c: Mr. Joseph Nevius
Forest Preserve District of Cook County

RECEIVED
DEC 28 2000

EXHIBIT
tabbler
1

JLS 1507

Analytical Results, Einoder Landfill

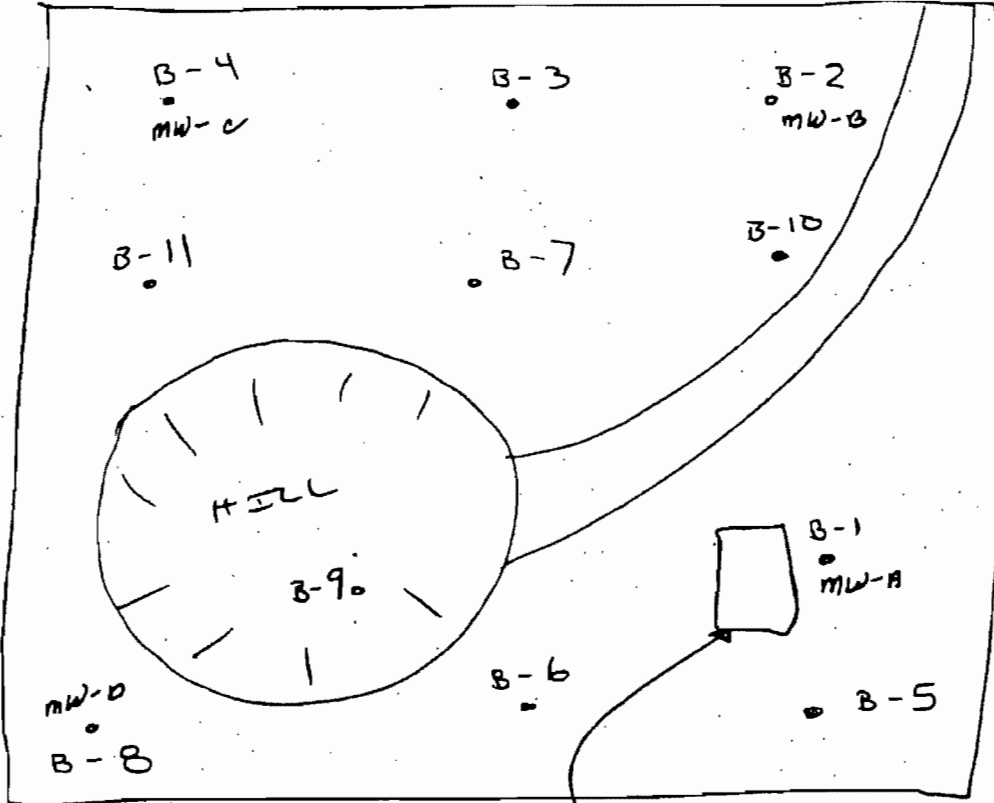
Sampling Location	Medium	Analyte	Analytical Results	TACO Limits
B-1-A	soil	arsenic	1.43 mg/kg	0.4 mg/kg (Tier I ingestion)
B-1-B		benzo (a) pyrene	0.358 mg/kg	0.09 mg/kg (Tier I ingestion)
MW-A	water	arsenic	2.07 mg/kg	0.4 mg/kg (Tier I ingestion)
		cadmium	0.015 mg/L	0.05 mg/L (Class I)
		lead	4.23 mg/L	0.0075 mg/L (Class I)
B-2-B	soil	arsenic	1.05 mg/kg	0.4 mg/kg (Tier I ingestion)
B-2-F		arsenic	1.70 mg/kg	0.4 mg/kg (Tier I ingestion)
MW-B	water	benzo (k) fluoroanthene	.00018 mg/L	.00017 mg/L (Class I)
		lead	0.011 mg/L	.0075 mg/L (Class I)
B-3-D	soil	benzo (a) pyrene	0.240 mg/kg	0.09 mg/kg (Tier I ingestion)
		arsenic	3.30 mg/kg	0.4 mg/kg (Tier I ingestion)
B-4-D	soil	benzo (a) anthracene	1.85 mg/kg	0.9 mg/kg (Tier I ingestion)
		benzo (b) fluoranthene	1.99 mg/kg	0.9 mg/kg (Tier I ingestion)
		benzo (a) pyrene	0.393 mg/kg	0.09 mg/kg (Tier I ingestion)
		arsenic	1.16 mg/kg	0.4 mg/kg (Tier I ingestion)
B-4-H	soil	arsenic	4.94 mg/kg	0.4 mg/kg (Tier I ingestion)
		arsenic	4.94 mg/kg	0.4 mg/kg (Tier I ingestion)
MW-C	water	benzo (a) anthracene	.00015 mg/L	.00013 mg/L (Class I)
		lead	0.025 mg/L	.0075 mg/L (Class I)
B-5-A	soil	arsenic	1.62 mg/kg	0.4 mg/kg (Tier I ingestion)
B-5-F		arsenic	3.65 mg/kg	0.4 mg/kg (Tier I ingestion)
B-6-A	soil	benzo (a) anthracene	6.02 mg/kg	0.9 mg/kg (Tier I ingestion)
		benzo (b) fluoranthene	6.08 mg/kg	0.9 mg/kg (Tier I ingestion)
		benzo (a) pyrene	6.73 mg/kg	0.09 mg/kg (Tier I ingestion)
		indeno (1,2,3-cd) pyrene	3.14 mg/kg	0.9 mg/kg (Tier I ingestion)
		dibenz (a,h) anthracene	0.683 mg/kg	0.09 mg/kg (Tier I ingestion)
		arsenic	6.40 mg/kg	0.4 mg/kg (Tier I ingestion)
		lead	452 mg/kg	400 mg/kg (Tier I ingestion)
		benzo (a) pyrene	0.158 mg/kg	0.09 mg/kg (Tier I ingestion)
B-6-D	soil	arsenic	3.58 mg/kg	0.4 mg/kg (Tier I ingestion)
		benzo (a) anthracene	4.35 mg/kg	0.9 mg/kg (Tier I ingestion)
		benzo (b) fluoranthene	4.65 mg/kg	0.9 mg/kg (Tier I ingestion)
		benzo (a) pyrene	4.4 mg/kg	0.09 mg/kg (Tier I ingestion)
		indeno (1,2,3-cd) pyrene	1.48 mg/kg	0.9 mg/kg (Tier I ingestion)
		dibenz (a,h) anthracene	0.319 mg/kg	0.09 mg/kg (Tier I ingestion)
		arsenic	3.58 mg/kg	0.4 mg/kg (Tier I ingestion)
		arsenic	5.93 mg/kg	0.4 mg/kg (Tier I ingestion)
B-7-A	soil	benzo (a) anthracene	2.86 mg/kg	0.9 mg/kg (Tier I ingestion)
		benzo (b) fluoranthene	2.85 mg/kg	0.9 mg/kg (Tier I ingestion)
		benzo (a) pyrene	2.81 mg/kg	0.09 mg/kg (Tier I ingestion)
		indeno (1,2,3-cd) pyrene	1.25 mg/kg	0.9 mg/kg (Tier I ingestion)
		dibenz (a,h) anthracene	0.202 mg/kg	0.09 mg/kg (Tier I ingestion)
		arsenic	2.43 mg/kg	0.4 mg/kg (Tier I ingestion)
B-7-C	soil	arsenic	2.72 mg/kg	0.4 mg/kg (Tier I ingestion)
arsenic		2.72 mg/kg	0.4 mg/kg (Tier I ingestion)	
B-8-B	soil	arsenic	4.14 mg/kg	0.4 mg/kg (Tier I ingestion)
B-8-E		arsenic	3.89 mg/kg	0.4 mg/kg (Tier I ingestion)
B-9-A	soil	benzo (a) pyrene	0.354 mg/kg	0.09 mg/kg (Tier I ingestion)
		arsenic	0.723 mg/kg	0.4 mg/kg (Tier I ingestion)
		benzo (a) pyrene	3.63 mg/kg	0.09 mg/kg (Tier I ingestion)
		indeno (1,2,3-cd) pyrene	1.22 mg/kg	0.9 mg/kg (Tier I ingestion)
		dibenz (a,h) anthracene	0.311 mg/kg	0.09 mg/kg (Tier I ingestion)
B-9-H	soil	arsenic	0.749 mg/kg	0.4 mg/kg (Tier I ingestion)
		arsenic	0.749 mg/kg	0.4 mg/kg (Tier I ingestion)
		arsenic	3.65 mg/kg	0.4 mg/kg (Tier I ingestion)
		arsenic	2.35 mg/kg	0.4 mg/kg (Tier I ingestion)
B-10-B	soil	lead	866 mg/kg	400 mg/kg (Tier I ingestion)
B-10-D		lead	866 mg/kg	400 mg/kg (Tier I ingestion)

Background arsenic levels in Chicago metropolitan area can reach 7.2 mg/kg - exceedences noted may not be a result of activities at Einoder Landfill. Further studies may eliminate this constituent of concern.

JLS 1508

EINODER

ENT



CRUSHED

JLS 1509



ANDREWS ENVIRONMENTAL ENGINEERING, INC.
 29W100 Butterfield Road, Suite 105, Warrenville, IL 60555
 (630) 393-9474 FAX (630) 393-9495

L E T T E R O F T R A N S M I T T A L

ATTENTION KEN LISS DATE 1/02/01
 _____ PROJECT NO. 1998-113B

WE ARE SENDING YOU VIA:

US MAIL _____ UPS _____ FEDERAL EXPRESS X OTHER _____

ENCLOSED WITH THIS TRANSMITTAL: _____ UNDER SEPARATE COVER: _____
 _____ Work Plan(s) _____ Report(s) _____ Contract Document(s)

QUANTITY	DATE	DESCRIPTION / DOCUMENT NAME
1	1/02/01	ANALYTIC DATA FOR J.T. EINODER SAND PIT

THESE ARE BEING TRANSMITTED:

_____ FOR APPROVAL _____ FOR YOUR INFORMATION _____ FOR YOUR USE
 _____ FOR THE FILE _____ FURNISHED AS REQUESTED _____ AS CORRECTED
X _____ FOR REVIEW AND COMMENT _____ REVISE AND RESUBMIT _____ FOR FIELD USE

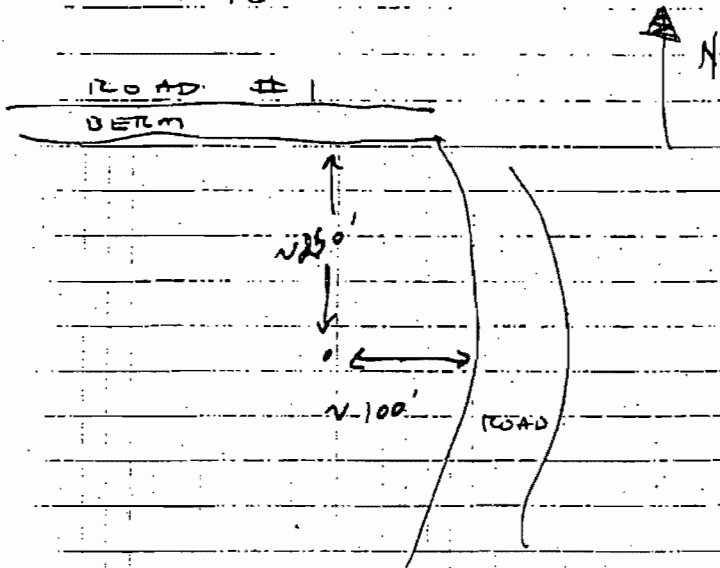
REMARKS: Ken - Could you or someone else please review this data
and comment on how significant it is. Also, what course of action
does the owner have at this point?
THANKS!

CC:

By: John J. Fisher

JLS 1510

LOCATION OF BORING
10



JLS 1511

STAT Analysis Corporation:

2201 West Campbell Park Drive, Chicago, Illinois 60612-3547

Tel: 312.733.0551; Fax: 312.733.2386; e-mail address: STATinfo@STAT.Analysis.com

NVLAP &

**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/17/00
Sample Number:	B-1-A	Time Taken:	7:51
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906886		

Analyte	Result	Units
Tetrachloroethene	< 5.00	µg/Kg
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/19/00

Analysis Date: 4/21/00

Naphthalene	< 25.0	µg/Kg
Acenaphylene	< 50.0	µg/Kg
Acenaphthene	< 50.0	µg/Kg
Fluorene	< 50.0	µg/Kg
Phenanthrene	217	µg/Kg
Anthracene	65.4	µg/Kg
Fluoranthene	447	µg/Kg
Pyrene	412	µg/Kg
Chrysene	236	µg/Kg
Benzo[a]anthracene	185	µg/Kg
Benzo[b]fluoranthene	128	µg/Kg
Benzo[k]fluoranthene	94.7	µg/Kg
Benzo[a]pyrene	108	µg/Kg
Indeno[1,2,3-cd]pyrene	37.8	µg/Kg
Dibenz[a,h]anthracene	< 20.0	µg/Kg
Benzo[g,h,i]perylene	< 50.0	µg/Kg

JLS 1512

*****PC# 38*****

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/17/00
Sample Number:	B-1-A	Time Taken:	7:51
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906886		

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	1.43	mg/Kg	4/19/00	6010B
Barium	26.1	mg/Kg	4/20/00	6010B
Cadmium	0.670	mg/Kg	4/19/00	6010B
Chromium	5.13	mg/Kg	4/19/00	6010B
Lead	31.6	mg/Kg	4/19/00	6010B
Mercury	0.107	mg/Kg	4/20/00	7471A
Selenium	<0.50	mg/Kg	4/20/00	6010B
Silver	<0.50	mg/Kg	4/19/00	6010B

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/17/00
Sample Number:	B-1-B	Time Taken:	7:58
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906887		

Analyte	Result	Units
Solids, Total	78.98	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/20/00

Acetone	39.8	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	14.8	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg

JLS 1514

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/17/00
Sample Number:	B-1-B	Time Taken:	7:58
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906887		

Analyte	Result	Units
Tetrachloroethene	< 5.00	µg/Kg
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/19/00
 Analysis Date: 4/21, 4/22/00

Naphthalene	45.5	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	164	µg/Kg
Fluorene	292	µg/Kg
Phenanthrene	2,370	µg/Kg
Anthracene	791	µg/Kg
Fluoranthene	2,540	µg/Kg
Pyrene	1,690	µg/Kg
Chrysene	1,170	µg/Kg
Benzo[a]anthracene	511	µg/Kg
Benzo[b]fluoranthene	407	µg/Kg
Benzo[k]fluoranthene	358	µg/Kg
Benzo[a]pyrene	354	µg/Kg
Indeno[1,2,3-cd]pyrene	163	µg/Kg
Dibenz[a,h]anthracene	42.6	µg/Kg
Benzo[g,h,i]perylene	172	µg/Kg

JLS 1515

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/17/00
Sample Number:	B-1-B	Time Taken:	7:58
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906887		

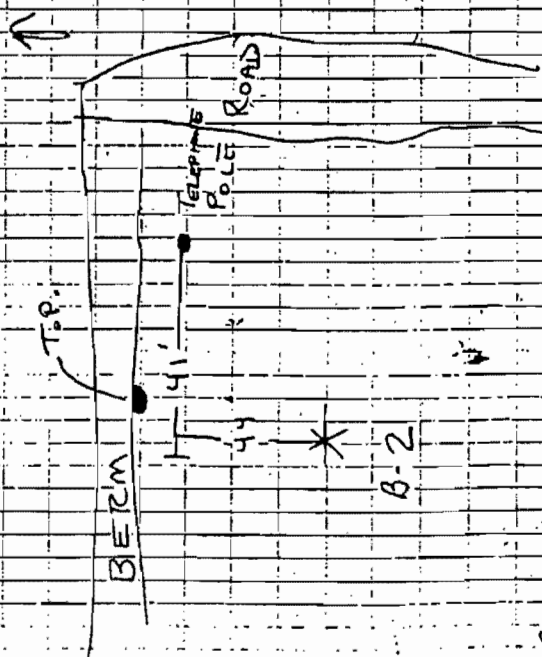
Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	2.07	mg/Kg	4/19/00	6010B
Barium	92.5	mg/Kg	4/20/00	6010B
Cadmium	0.849	mg/Kg	4/19/00	6010B
Chromium	4.28	mg/Kg	4/19/00	6010B
Lead	144	mg/Kg	4/20/00	6010B
Mercury	0.260	mg/Kg	4/20/00	7471A
Selenium	<0.50	mg/Kg	4/20/00	6010B
Silver	<0.50	mg/Kg	4/19/00	6010B

JLS 1516

BORING # 2 4/17/00

BORING # 2

NORTH EAST CORNER



B-2

GEOMORPHIC RECONSTRUCTION

@ 31'

SCREEN PLACED FROM 32' TO 42' FT.

SAND FILLED TO 26' FT. DEPTH WITH

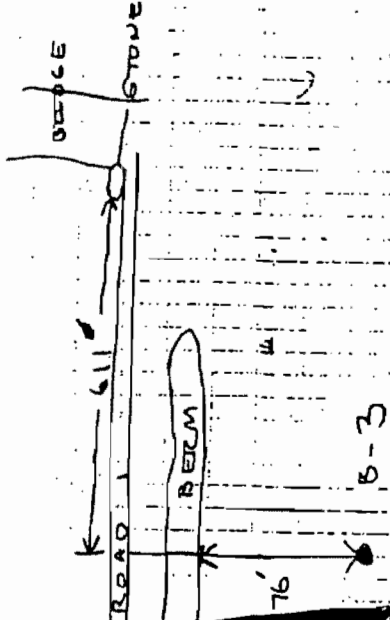
FILLED TO SURFACE.

MONITORING WELL B

JLS 1517

BORING # 3 4/18/00

NOT GETTING GOOD SAMPLE RECOVERY
IN 0-15 FT. RANGE. LOTS OF
SEGREGATE (COMB).



B-3

SAMPLED:

B-3-B 10-12'

T: 56 AM

D-3-D 20-22'

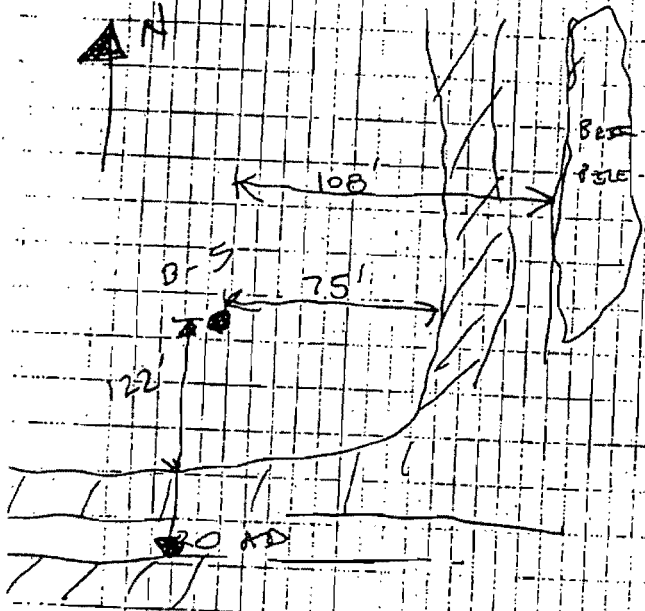
B: 12 AM

***** DCU 22 *****

BORING # 5 4/19/00

3 IN SPLIT SPOON USED.
SEE PROFILE

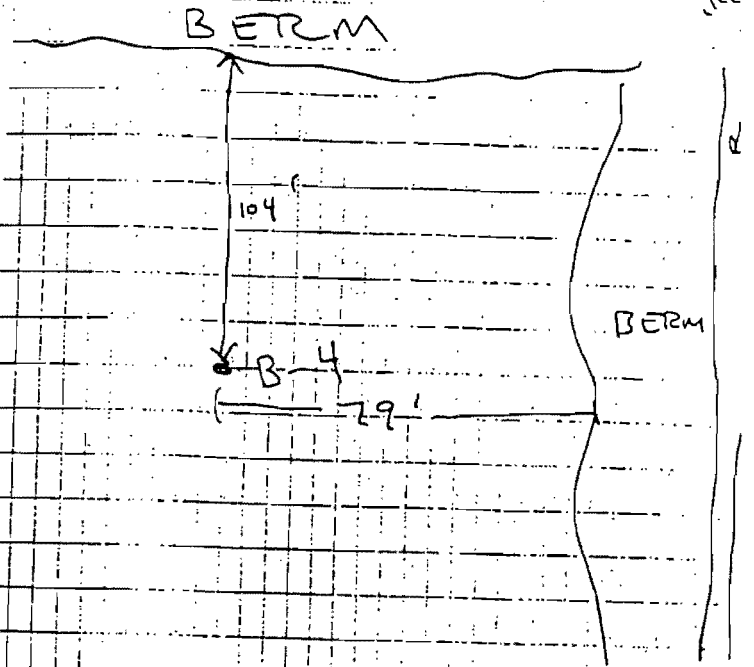
2 IN SPLIT SPOON
USED FROM
AFTER 32'



BORING #4

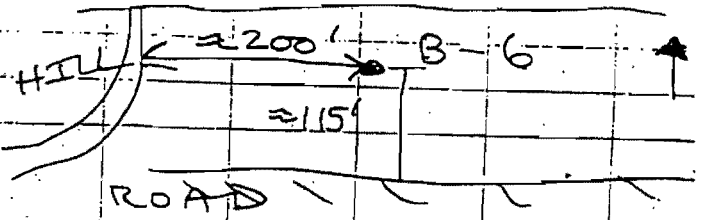
4/18/00

N



BORING # 6

END OF BORING @ 20'



JLS 1518

DRILLING # 8

4/21/00

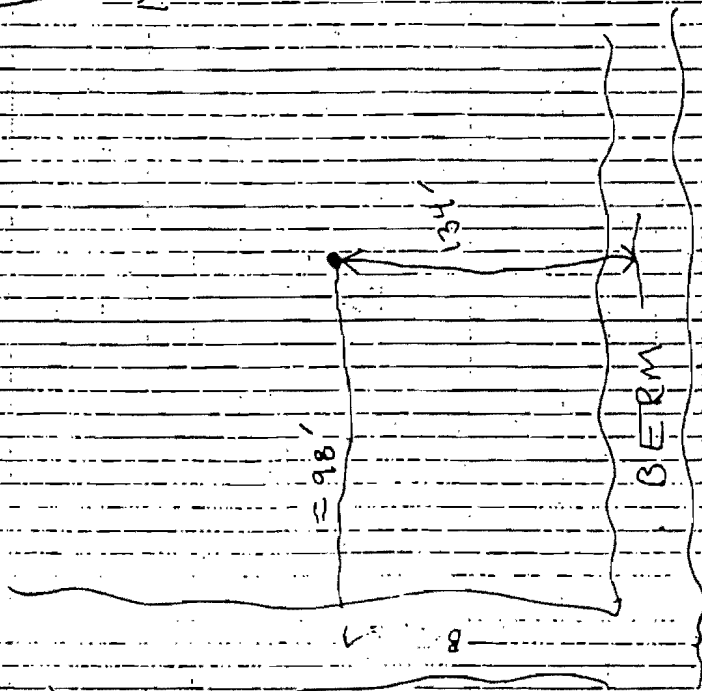
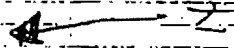
CLOJBY / W3A07 ≈ 38-42° F

DO NOT ADVANCE AUGERS TO

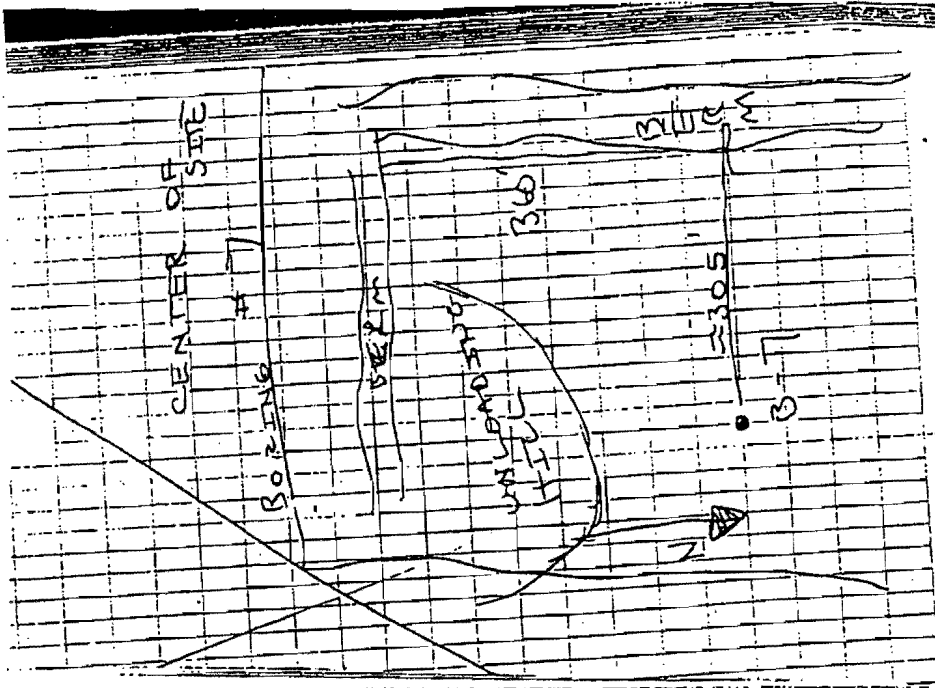
30 FT. DEPTHER

IF GROUNDWATER IS ENCOUNTERED

INSTANTLY TEMP. RISE



165,519



***** DC# 22 *****

BORING #9

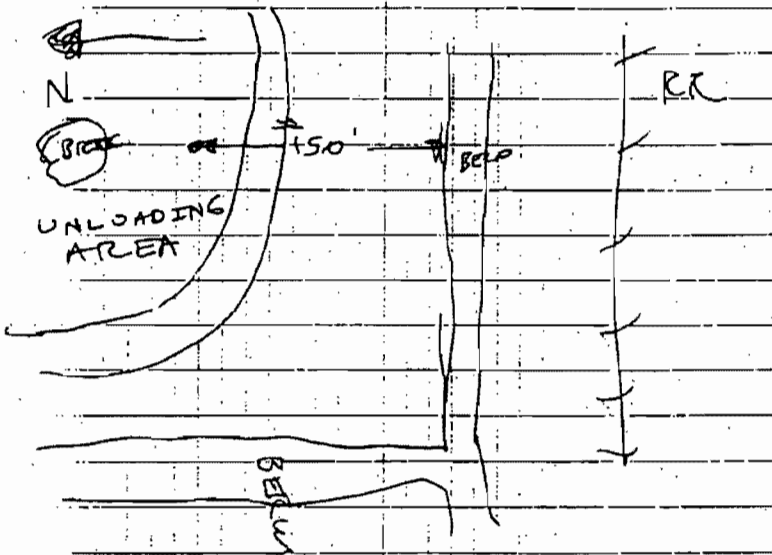
START @ 10:30

ON TOP OF HILL - SOUTH SIDE

OBJ: ADVANCE AXES TO
60 FT

IF GW ENCOUNTERED

INSTALL MON. WELL



JLS
1520

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder Landfill
 Sample Number: B-2-B
 STAT Project No.: 700526
 STAT Sample No.: 906888

Date Received: 4/18/00
 Date Taken: 4/17/00
 Time Taken: 11:29
 Date Reported: 4/26/00

Analyte	Result	Units
Solids, Total	86.67	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/20/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg

JLS 1521

*****PC# 38*****

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder Landfill
 Sample Number: B-2-B
 STAT Project No.: 700526
 STAT Sample No.: 906888

Date Received: 4/18/00
 Date Taken: 4/17/00
 Time Taken: 11:29
 Date Reported: 4/26/00

Analyte	Result	Units
Tetrachloroethene	< 5.00	µg/Kg
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/19/00

Analysis Date: 4/20/00

Naphthalene	< 25.0	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	< 50.0	µg/Kg
Fluorene	< 50.0	µg/Kg
Phenanthrene	< 50.0	µg/Kg
Anthracene	< 50.0	µg/Kg
Fluoranthene	< 50.0	µg/Kg
Pyrene	< 50.0	µg/Kg
Chrysene	< 50.0	µg/Kg
Benzo[a]anthracene	< 8.70	µg/Kg
Benzo[b]fluoranthene	< 11.0	µg/Kg
Benzo[k]fluoranthene	< 11.0	µg/Kg
Benzo[a]pyrene	< 15.0	µg/Kg
Indeno[1,2,3-cd]pyrene	< 29.0	µg/Kg
Dibenz[a,h]anthracene	< 20.0	µg/Kg
Benzo[g,h,i]perylene	< 50.0	µg/Kg

JLS 1522

***** PC# 38 *****

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/17/00
Sample Number:	B-2-B	Time Taken:	11:29
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906888		

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	1.05	mg/Kg	4/19/00	6010B
Barium	17.8	mg/Kg	4/20/00	6010B
Cadmium	<0.50	mg/Kg	4/19/00	6010B
Chromium	2.08	mg/Kg	4/19/00	6010B
Lead	6.88	mg/Kg	4/19/00	6010B
Mercury	<0.04	mg/Kg	4/20/00	7471A
Selenium	<0.50	mg/Kg	4/20/00	6010B
Silver	<0.50	mg/Kg	4/19/00	6010B

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/17/00
Sample Number:	B-1-A	Time Taken:	7.51
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906886		

Analyte	Result	Units
Solids, Total	84.06	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/20/00

Acetone	40.6	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	9.23	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg

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1524

*****PC# 38*****

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder Landfill
 Sample Number: B-2-F
 STAT Project No.: 700526
 STAT Sample No.: 906889

Date Received: 4/18/00
 Date Taken: 4/17/00
 Time Taken: 12:10
 Date Reported: 4/26/00

Analyte	Result	Units
Solids, Total	83.77	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/20/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg

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1525

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder Landfill
 Sample Number: B-2-F
 STAT Project No.: 700526
 STAT Sample No.: 906889

Date Received: 4/18/00
 Date Taken: 4/17/00
 Time Taken: 12:10
 Date Reported: 4/26/00

Analyte	Result	Units
Tetrachloroethene	< 5.00	µg/Kg
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/19/00

Analysis Date: 4/20/00

Naphthalene	< 25.0	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	< 50.0	µg/Kg
Fluorene	< 50.0	µg/Kg
Phenanthrene	< 50.0	µg/Kg
Anthracene	< 50.0	µg/Kg
Fluoranthene	< 50.0	µg/Kg
Pyrene	< 50.0	µg/Kg
Chrysene	< 50.0	µg/Kg
Benzo[a]anthracene	< 8.70	µg/Kg
Benzo[b]fluoranthene	< 11.0	µg/Kg
Benzo[k]fluoranthene	< 11.0	µg/Kg
Benzo[a]pyrene	< 15.0	µg/Kg
Indeno[1,2,3-cd]pyrene	< 29.0	µg/Kg
Dibenz[a,h]anthracene	< 20.0	µg/Kg
Benzo[g,h,i]perylene	< 50.0	µg/Kg

JLS 1526

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder Landfill
 Sample Number: B-2-F
 STAT Project No.: 700526
 STAT Sample No.: 906889

Date Received: 4/18/00
 Date Taken: 4/17/00
 Time Taken: 12:10
 Date Reported: 4/26/00

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	1.70	mg/Kg	4/19/00	6010B
Barium	3.00	mg/Kg	4/20/00	6010B
Cadmium	<0.50	mg/Kg	4/19/00	6010B
Chromium	0.642	mg/Kg	4/19/00	6010B
Lead	2.97	mg/Kg	4/19/00	6010B
Mercury	<0.04	mg/Kg	4/20/00	7471A
Selenium	<0.50	mg/Kg	4/20/00	6010B
Silver	<0.50	mg/Kg	4/19/00	6010B

JLS 1527

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder Landfill
 Sample Number: B-3-B
 STAT Project No.: 700526
 STAT Sample No.: 906890

Date Received: 4/18/00
 Date Taken: 4/18/00
 Time Taken: 7:56
 Date Reported: 4/26/00

Analyte	Result	Units
Solids, Total	83.73	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/20/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/18/00
Sample Number:	B-3-B	Time Taken:	7:56
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906890		

Analyte	Result	Units
Tetrachloroethene	< 5.00	µg/Kg
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/19/00
 Analysis Date: 4/21, 4/22/00

Naphthalene	851	µg/Kg
Acenaphthylene	136	µg/Kg
Acenaphthene	597	µg/Kg
Fluorene	1,030	µg/Kg
Phenanthrene	3,360	µg/Kg
Anthracene	868	µg/Kg
Fluoranthene	2,500	µg/Kg
Pyrene	1,690	µg/Kg
Chrysene	1,190	µg/Kg
Benzo[a]anthracene	291	µg/Kg
Benzo[b]fluoranthene	314	µg/Kg
Benzo[k]fluoranthene	301	µg/Kg
Benzo[a]pyrene	218	µg/Kg
Indeno[1,2,3-cd]pyrene	187	µg/Kg
Dibenz[a,h]anthracene	77.2	µg/Kg
Benzo[g,h,i]perylene	189	µg/Kg

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Analytical Report

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/18/00
Sample Number:	B-3-B	Time Taken:	7:56
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906890		

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	2.75	mg/Kg	4/19/00	6010B
Barium	56.1	mg/Kg	4/20/00	6010B
Cadmium	2.49	mg/Kg	4/19/00	6010B
Chromium	3.31	mg/Kg	4/19/00	6010B
Lead	92.7	mg/Kg	4/20/00	6010B
Mercury	0.100	mg/Kg	4/20/00	7471A
Selenium	<0.50	mg/Kg	4/20/00	6010B
Silver	<0.50	mg/Kg	4/19/00	6010B

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder Landfill
 Sample Number: B-3-D
 STAT Project No.: 700526
 STAT Sample No.: 906891

Date Received: 4/18/00
 Date Taken: 4/18/00
 Time Taken: 8:12
 Date Reported: 4/26/00

Analyte	Result	Units
Solids, Total	79.14	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/20/00

Acetone	60.7	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	29.9	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/18/00
Sample Number:	B-3-D	Time Taken:	8:12
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906891		

Analyte	Result	Units
Tetrachloroethene	< 5.00	µg/Kg
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/19/00
 Analysis Date: 4/21, 4/25/00

Naphthalene	30.8	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	95.5	µg/Kg
Fluorene	277	µg/Kg
Phenanthrene	3,910	µg/Kg
Anthracene	1,200	µg/Kg
Fluoranthene	3,260	µg/Kg
Pyrene	2,220	µg/Kg
Chrysene	2,060	µg/Kg
Benzo[a]anthracene	403	µg/Kg
Benzo[b]fluoranthene	260	µg/Kg
Benzo[k]fluoranthene	227	µg/Kg
Benzo[a]pyrene	240	µg/Kg
Indeno[1,2,3-cd]pyrene	169	µg/Kg
Dibenz[a,h]anthracene	59.5	µg/Kg
Benzo[g,h,i]perylene	172	µg/Kg

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/18/00
Sample Number:	B-3-D	Time Taken:	8:12
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906891		

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	3.30	mg/Kg	4/19/00	6010B
Barium	94.8	mg/Kg	4/20/00	6010B
Cadmium	1.76	mg/Kg	4/19/00	6010B
Chromium	6.00	mg/Kg	4/19/00	6010B
Lead	278	mg/Kg	4/20/00	6010B
Mercury	0.275	mg/Kg	4/20/00	7471A
Selenium	<0.50	mg/Kg	4/20/00	6010B
Silver	<0.50	mg/Kg	4/19/00	6010B

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/18/00
Sample Number:	B-4-D	Time Taken:	10:04
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906892		

Analyte	Result	Units
Solids, Total	84.09	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/20/00

Acetone	29.4	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	10.1	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/18/00
Sample Number:	B-4-D	Time Taken:	10:04
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906892		

Analyte	Result	Units
Tetrachloroethene	< 5.00	µg/Kg
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	4.94	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/19/00
 Analysis Date: 4/22, 4/24/00

Naphthalene	317	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	265	µg/Kg
Fluorene	374	µg/Kg
Phenanthrene	2,840	µg/Kg
Anthracene	1,140	µg/Kg
Fluoranthene	4,260	µg/Kg
Pyrene	3,260	µg/Kg
Chrysene	2,150	µg/Kg
Benzo[a]anthracene	1,850	µg/Kg
Benzo[b]fluoranthene	1,990	µg/Kg
Benzo[k]fluoranthene	400	µg/Kg
Benzo[a]pyrene	393	µg/Kg
Indeno[1,2,3-cd]pyrene	324	µg/Kg
Dibenz[a,h]anthracene	88.4	µg/Kg
Benzo[g,h,i]perylene	297	µg/Kg

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Analytical Report

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/18/00
Sample Number:	B-4-D	Time Taken:	10:04
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906892		

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	1.16	mg/Kg	4/19/00	6010B
Barium	18.4	mg/Kg	4/20/00	6010B
Cadmium	<0.50	mg/Kg	4/19/00	6010B
Chromium	2.50	mg/Kg	4/19/00	6010B
Lead	14.7	mg/Kg	4/19/00	6010B
Mercury	<0.04	mg/Kg	4/20/00	7471A
Selenium	<0.50	mg/Kg	4/20/00	6010B
Silver	<0.50	mg/Kg	4/19/00	6010B

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/18/00
Sample Number:	B-4-H	Time Taken:	11:19
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906893		

Analyte	Result	Units
Solids, Total	85.37	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/20/00

Acetone	49.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	16.6	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/18/00
Sample Number:	B-4-H	Time Taken:	11:19
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906893		

Analyte	Result	Units
Tetrachloroethene	< 5.00	µg/Kg
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/19/00

Analysis Date: 4/22/00

Naphthalene	< 25.0	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	63.6	µg/Kg
Fluorene	57.3	µg/Kg
Phenanthrene	395	µg/Kg
Anthracene	86.8	µg/Kg
Fluoranthene	415	µg/Kg
Pyrene	305	µg/Kg
Chrysene	253	µg/Kg
Benzo[a]anthracene	89.0	µg/Kg
Benzo[b]fluoranthene	76.1	µg/Kg
Benzo[k]fluoranthene	87.2	µg/Kg
Benzo[a]pyrene	66.8	µg/Kg
Indeno[1,2,3-cd]pyrene	58.2	µg/Kg
Dibenz[a,h]anthracene	27.6	µg/Kg
Benzo[g,h,i]perylene	59.2	µg/Kg

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Analytical Report

Client:	CTE Engineers	Date Received:	4/18/00
Project ID:	40279, Einoder Landfill	Date Taken:	4/18/00
Sample Number:	B-4-H	Time Taken:	11:19
STAT Project No.:	700526	Date Reported:	4/26/00
STAT Sample No.:	906893		

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	4.94	mg/Kg	4/19/00	6010B
Barium	206	mg/Kg	4/20/00	6010B
Cadmium	0.848	mg/Kg	4/19/00	6010B
Chromium	8.41	mg/Kg	4/19/00	6010B
Lead	97.2	mg/Kg	4/20/00	6010B
Mercury	<0.04	mg/Kg	4/20/00	7471A
Selenium	<0.50	mg/Kg	4/20/00	6010B
Silver	<0.50	mg/Kg	4/19/00	6010B

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May 1, 2000

Rich Schleyer
CTE Engineers
303 E. Wacker Drive
Chicago, Illinois 60601
Phone: (312) 861-4199
Fax: (312) 861-4152

Dear Mr. Schleyer:

Enclosed are the analytical results for the Cook County FPD, Tri-State Disposal project, received by Stat Analysis Corporation on April 24, 2000. The samples were analyzed as per the chain of custody.

All analyses were performed in accordance with methods from the USEPA publication Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, December, 1996. Specific method references are listed on the Analytical Report. Results are expressed on a dry weight basis as per method protocols.

All analyses were performed within established holding times, and all QA/QC criteria, as outlined in the method have been met. QA/QC documentation and raw data will remain on file for future reference.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions about the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla
Project Manager

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/24/00
Project ID:	Tri-State Disposal	Date Taken:	4/24/00
Sample Number:	B-10-B	Time Taken:	9:44
STAT Project No.:	700541	Date Reported:	5/1/00
STAT Sample No.:	907016		

Analyte	Result	Units
Solids, Total	80.54	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/26/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/24/00
Project ID:	Tri-State Disposal	Date Taken:	4/24/00
Sample Number:	B-10-B	Time Taken:	9:44
STAT Project No.:	700541	Date Reported:	5/1/00
STAT Sample No.:	907016		

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00
 Analysis Date: 4/26, 4/27/00

Naphthalene	304	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	304	µg/Kg
Fluorene	433	µg/Kg
Phenanthrene	1,670	µg/Kg
Anthracene	582	µg/Kg
Fluoranthene	1,900	µg/Kg
Pyrene	1,650	µg/Kg
Chrysene	777	µg/Kg
Benzo[a]anthracene	885	µg/Kg
Benzo[b]fluoranthene	410	µg/Kg
Benzo[k]fluoranthene	331	µg/Kg
Benzo[a]pyrene	354	µg/Kg
Indeno[1,2,3-cd]pyrene	187	µg/Kg
Dibenz[a,h]anthracene	88.3	µg/Kg
Benzo[g,h,i]perylene	212	µg/Kg

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Analytical Report

Client:	CTE Engineers	Date Received:	4/24/00
Project ID:	Tri-State Disposal	Date Taken:	4/24/00
Sample Number:	B-10-B	Time Taken:	9:44
STAT Project No.:	700541	Date Reported:	5/1/00
STAT Sample No.:	907016		

Analyte	Result	Units	Date Analyzed	Method
Arsenic	0.723	mg/Kg	4/27/00	6010B
Barium	23.6	mg/Kg	4/27/00	6010B
Cadmium	<0.50	mg/Kg	4/27/00	6010B
Chromium	2.99	mg/Kg	4/27/00	6010B
Lead	26.3	mg/Kg	4/27/00	6010B
Mercury	0.088	mg/Kg	4/27/00	7471A
Selenium	<0.50	mg/Kg	4/27/00	6010B
Silver	<0.50	mg/Kg	4/27/00	6010B

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1545

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Analytical Report

Client:	CTE Engineers	Date Received:	4/24/00
Project ID:	Tri-State Disposal	Date Taken:	4/24/00
Sample Number:	B-10-D	Time Taken:	10:00
STAT Project No.:	700541	Date Reported:	5/1/00
STAT Sample No.:	907017		

Analyte	Result	Units
Solids, Total	89.27	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/26/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/24/00
Project ID:	Tri-State Disposal	Date Taken:	4/24/00
Sample Number:	B-10-D	Time Taken:	10:00
STAT Project No.:	700541	Date Reported:	5/1/00
STAT Sample No.:	907017		

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00
 Analysis Date: 4/25, 4/26/00

Naphthalene	490	µg/Kg
Acenaphthylene	175	µg/Kg
Acenaphthene	808	µg/Kg
Fluorene	1,600	µg/Kg
Phenanthrene	8,590	µg/Kg
Anthracene	2,640	µg/Kg
Fluoranthene	12,900	µg/Kg
Pyrene	10,300	µg/Kg
Chrysene	5,330	µg/Kg
Benzo[a]anthracene	5,710	µg/Kg
Benzo[b]fluoranthene	4,810	µg/Kg
Benzo[k]fluoranthene	2,420	µg/Kg
Benzo[a]pyrene	3,630	µg/Kg
Indeno[1,2,3-cd]pyrene	1,220	µg/Kg
Dibenz[a,h]anthracene	311	µg/Kg
Benzo[g,h,i]perylene	969	µg/Kg

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1547

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**Analytical Report**

Client: CTE Engineers
 Project ID: Tri-State Disposal
 Sample Number: B-10-D
 STAT Project No.: 700541
 STAT Sample No.: 907017

Date Received: 4/24/00
 Date Taken: 4/24/00
 Time Taken: 10:00
 Date Reported: 5/1/00

Analyte	Result	Units	Date Analyzed	Method
Arsenic	0.749	mg/Kg	4/27/00	6010B
Barium	16.3	mg/Kg	4/27/00	6010B
Cadmium	<0.50	mg/Kg	4/27/00	6010B
Chromium	1.94	mg/Kg	4/27/00	6010B
Lead	26.2	mg/Kg	4/27/00	6010B
Mercury	0.099	mg/Kg	4/27/00	7471A
Selenium	<0.50	mg/Kg	4/27/00	6010B
Silver	<0.50	mg/Kg	4/27/00	6010B

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1548

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/24/00
Project ID:	Tri-State Disposal	Date Taken:	4/24/00
Sample Number:	B-11-B	Time Taken:	8:05
STAT Project No.:	700541	Date Reported:	5/1/00
STAT Sample No.:	907018		

Analyte	Result	Units
Solids, Total	87.10	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/26/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

JLS 1549

***** PC# 38 *****

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/24/00
Project ID:	Tri-State Disposal	Date Taken:	4/24/00
Sample Number:	B-11-B	Time Taken:	8:05
STAT Project No.:	700541	Date Reported:	5/1/00
STAT Sample No.:	907018		

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00

Analysis Date: 4/26/00

Naphthalene	< 25.0	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	< 50.0	µg/Kg
Fluorene	< 50.0	µg/Kg
Phenanthrene	< 50.0	µg/Kg
Anthracene	< 50.0	µg/Kg
Fluoranthene	< 50.0	µg/Kg
Pyrene	< 50.0	µg/Kg
Chrysene	< 50.0	µg/Kg
Benzo[a]anthracene	18.8	µg/Kg
Benzo[b]fluoranthene	15.5	µg/Kg
Benzo[k]fluoranthene	11.3	µg/Kg
Benzo[a]pyrene	< 15.0	µg/Kg
Indeno[1,2,3-cd]pyrene	< 29.0	µg/Kg
Dibenz[a,h]anthracene	< 20.0	µg/Kg
Benzo[g,h,i]perylene	< 50.0	µg/Kg

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1550

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/24/00
Project ID:	Tri-State Disposal	Date Taken:	4/24/00
Sample Number:	B-11-B	Time Taken:	8:05
STAT Project No.:	700541	Date Reported:	5/1/00
STAT Sample No.:	907018		

Analyte	Result	Units	Date Analyzed	Method
Arsenic	3.65	mg/Kg	4/27/00	6010B
Barium	11.0	mg/Kg	4/27/00	6010B
Cadmium	0.930	mg/Kg	4/27/00	6010B
Chromium	3.58	mg/Kg	4/27/00	6010B
Lead	20.0	mg/Kg	4/27/00	6010B
Mercury	0.057	mg/Kg	4/27/00	7471A
Selenium	<0.50	mg/Kg	4/27/00	6010B
Silver	<0.50	mg/Kg	4/27/00	6010B

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**Analytical Report**

Client: CTE Engineers
 Project ID: Tri-State Disposal
 Sample Number: B-11-E
 STAT Project No.: 700541
 STAT Sample No.: 907019

Date Received: 4/24/00
 Date Taken: 4/24/00
 Time Taken: 8:32
 Date Reported: 5/1/00

Analyte	Result	Units
Solids, Total	79.17	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/26/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

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1552

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/24/00
Project ID:	Tri-State Disposal	Date Taken:	4/24/00
Sample Number:	B-11-E	Time Taken:	8:32
STAT Project No.:	700541	Date Reported:	5/1/00
STAT Sample No.:	907019		

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00

Analysis Date: 4/25/00

Naphthalene	< 25.0	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	< 50.0	µg/Kg
Fluorene	< 50.0	µg/Kg
Phenanthrene	222	µg/Kg
Anthracene	< 50.0	µg/Kg
Fluoranthene	206	µg/Kg
Pyrene	170	µg/Kg
Chrysene	189	µg/Kg
Benzo[a]anthracene	41.2	µg/Kg
Benzo[b]fluoranthene	112	µg/Kg
Benzo[k]fluoranthene	139	µg/Kg
Benzo[a]pyrene	68.9	µg/Kg
Indeno[1,2,3-cd]pyrene	57.6	µg/Kg
Dibenz[a,h]anthracene	31.6	µg/Kg
Benzo[g,h,i]perylene	73.9	µg/Kg

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1552

***** PC# 38 *****

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/24/00
Project ID:	Tri-State Disposal	Date Taken:	4/24/00
Sample Number:	B-11-E	Time Taken:	8:32
STAT Project No.:	700541	Date Reported:	5/1/00
STAT Sample No.:	907019		

Analyte	Result	Units	Date Analyzed	Method
Arsenic	2.35	mg/Kg	4/27/00	6010B
Barium	239	mg/Kg	4/27/00	6010B
Cadmium	1.26	mg/Kg	4/27/00	6010B
Chromium	9.22	mg/Kg	4/27/00	6010B
Lead	866	mg/Kg	4/27/00	6010B
Mercury	0.225	mg/Kg	4/27/00	7471A
Selenium	<0.50	mg/Kg	4/27/00	6010B
Silver	<0.50	mg/Kg	4/27/00	6010B

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CHAIN OF CUSTODY RECORD

Client Name: <u>Cook County FPD</u>						TYPE OF ANALYSES 										Turnaround Time:	
Project Number:																5 (days)	
Project Name: <u>Tri-State Disposal</u>																Time Results Needed:	
Location/Address: <u>Rt. 30, Lynwood</u>																1 / 1 am/pm	
Samplers: <u>Nash</u>								Remarks		Lab No.							
Client Sample No.	Sample Description	Date Taken	Time Taken	Comp.	Grab	No. of Containers											
B-10-B	Soil	4/24/00	9:44	X		2	X	X	X			907016					
B-10-D	Soil	"	10:00	X		2	X	X	X			907017					
B-11-B	Soil	"	7:05	X		2	X	X	X			907015					
B-11-E	Soil	"	8:32	X		2	X	X	X			907011					
CTE Engineers contact: Rich Schlegel																	

Relinquished by: (Signature) <u>Chief M. Nash</u>	Date/Time: <u>4/24/00 1:09</u>		Contact Information:	
Received by: (Signature)	Date/Time:		Phone Number: _____	
Relinquished by: (Signature)	Date/Time:		Fax Number: _____	
Received for lab by: (Signature) <u>[Signature]</u>	Date/Time: <u>4/24/00 13:10</u>		Attention: _____	
Relinquished by: (Signature)	Date/Time:	Other Contact: _____		

STAT Analysis Corporation

2201 West Campbell Park Drive Chicago, Illinois 60612-3547 312.733.0551 Fax: 312.733.2386

e-mail address: STATinfo@STATAnalysis.com AIHA accredited 10248, NVLAP accredited 101202-0

May 2, 2000

Rich Schleyer
CTE Engineers
303 E. Wacker Drive
Chicago, Illinois 60601
Phone: (312) 861-4199
Fax: (312) 861-4152

Dear Mr. Schleyer:

Enclosed are the analytical results for project number 40279, Einoder Landfill, received by Stat Analysis Corporation on April 21, 2000. The samples were analyzed as per the chain of custody.

All analyses were performed in accordance with methods from the USEPA publication Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition, December, 1996.

Specific method references are listed on the Analytical Report. Results for soil samples are expressed on a dry weight basis as per method protocols.

All analyses were performed within established holding times, and all QA/QC criteria, as outlined in the method have been met. QA/QC documentation and raw data will remain on file for future reference.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions about the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla
Project Manager

JLS
1556

STAT Analysis Corporation:

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-5-A
 STAT Project No.: 600259
 STAT Sample No.: 907001

Date Received: 4/21/00
 Date Taken: 4/19/00
 Time Taken: 7:41AM
 Date Reported: 5/2/00

Analyte	Result	Units
Solids, Total	81.18	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/24/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

JLS 1557

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/21/00
Project ID:	40279, Einoder	Date Taken:	4/19/00
Sample Number:	B-5-A	Time Taken:	7:41 AM
STAT Project No.:	600259	Date Reported:	5/2/00
STAT Sample No.:	907001		

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00

Analysis Date: 4/25/00

Naphthalene	< 25.0	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	< 50.0	µg/Kg
Fluorene	< 50.0	µg/Kg
Phenanthrene	79.6	µg/Kg
Anthracene	< 50.0	µg/Kg
Fluoranthene	120	µg/Kg
Pyrene	100	µg/Kg
Chrysene	75.5	µg/Kg
Benzo[a]anthracene	32.1	µg/Kg
Benzo[b]fluoranthene	25.9	µg/Kg
Benzo[k]fluoranthene	30.6	µg/Kg
Benzo[a]pyrene	27.7	µg/Kg
Indeno[1,2,3-cd]pyrene	< 29.0	µg/Kg
Dibenz[a,h]anthracene	< 20.0	µg/Kg
Benzo[g,h,i]perylene	< 50.0	µg/Kg

JLS 1558

*****PC# 38*****

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NVLAQ &



Analytical Report

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-5-A
 STAT Project No.: 600259
 STAT Sample No.: 907001

Date Received: 4/21/00
 Date Taken: 4/19/00
 Time Taken: 7:41AM
 Date Reported: 5/2/00

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	1.62	mg/Kg	4/23/00	6010B
Barium	66.9	mg/Kg	4/24/00	6010B
Cadmium	1.46	mg/Kg	4/23/00	6010B
Chromium	6.89	mg/Kg	4/23/00	6010B
Lead	116	mg/Kg	4/24/00	6010B
Mercury	0.124	mg/Kg	4/23/00	7471A
Selenium	<0.50	mg/Kg	4/23/00	6010B
Silver	<0.50	mg/Kg	4/23/00	6010B

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1559

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-5-F
 STAT Project No.: 600259
 STAT Sample No.: 907002

Date Received: 4/21/00
 Date Taken: 4/19/00
 Time Taken: 9:59
 Date Reported: 5/2/00

Analyte	Result	Units
Solids, Total	80.71	%
Volatile Organic Compounds Method 8260B		
Analysis Date: 4/24/00		
Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

JLS 1560

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-5-F
 STAT Project No.: 600259
 STAT Sample No.: 907002

Date Received: 4/21/00
 Date Taken: 4/19/00
 Time Taken: 9:59
 Date Reported: 5/2/00

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00
 Analysis Date: 4/26/00

Naphthalene	< 25.0	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	< 50.0	µg/Kg
Fluorene	< 50.0	µg/Kg
Phenanthrene	< 50.0	µg/Kg
Anthracene	< 50.0	µg/Kg
Fluoranthene	< 50.0	µg/Kg
Pyrene	< 50.0	µg/Kg
Chrysene	< 50.0	µg/Kg
Benzo[a]anthracene	< 8.70	µg/Kg
Benzo[b]fluoranthene	< 11.0	µg/Kg
Benzo[k]fluoranthene	< 11.0	µg/Kg
Benzo[a]pyrene	< 15.0	µg/Kg
Indeno[1,2,3-cd]pyrene	< 29.0	µg/Kg
Dibenz[a,h]anthracene	< 20.0	µg/Kg
Benzo[g,h,i]perylene	< 50.0	µg/Kg

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1561

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Analytical Report

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-5-F
 STAT Project No.: 600259
 STAT Sample No.: 907002

Date Received: 4/21/00
 Date Taken: 4/19/00
 Time Taken: 9:59
 Date Reported: 5/2/00

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	3.65	mg/Kg	4/23/00	6010B
Barium	25.0	mg/Kg	4/23/00	6010B
Cadmium	1.17	mg/Kg	4/23/00	6010B
Chromium	4.57	mg/Kg	4/23/00	6010B
Lead	10.3	mg/Kg	4/23/00	6010B
Mercury	<0.04	mg/Kg	4/23/00	7471A
Selenium	<0.50	mg/Kg	4/23/00	6010B
Silver	<0.50	mg/Kg	4/23/00	6010B

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1562

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NVDAQ

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-6-A
 STAT Project No.: 600259
 STAT Sample No.: 907003

Date Received: 4/21/00
 Date Taken: 4/20/00
 Time Taken: 9:35
 Date Reported: 5/2/00

Analyte	Result	Units
Solids, Total	81.67	%
Volatile Organic Compounds Method 8260B		
Analysis Date:	4/24/00	
Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

JLS 1563

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-6-A
 STAT Project No.: 600259
 STAT Sample No.: 907003

Date Received: 4/21/00
 Date Taken: 4/20/00
 Time Taken: 9:35
 Date Reported: 5/2/00

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00

Analysis Date: 4/25/00, 4/26/00

Naphthalene	78.6	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	597	µg/Kg
Fluorene	617	µg/Kg
Phenanthrene	8,370	µg/Kg
Anthracene	2,160	µg/Kg
Fluoranthene	14,100	µg/Kg
Pyrene	12,300	µg/Kg
Chrysene	6,050	µg/Kg
Benzo[a]anthracene	6,020	µg/Kg
Benzo[b]fluoranthene	6,080	µg/Kg
Benzo[k]fluoranthene	3,710	µg/Kg
Benzo[a]pyrene	6,730	µg/Kg
Indeno[1,2,3-cd]pyrene	3,140	µg/Kg
Dibenz[a,h]anthracene	583	µg/Kg
Benzo[g,h,i]perylene	3,360	µg/Kg

JLS 1564

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-6-A
 STAT Project No.: 600259
 STAT Sample No.: 907003

Date Received: 4/21/00
 Date Taken: 4/20/00
 Time Taken: 9:35
 Date Reported: 5/2/00

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	6.40	mg/Kg	4/23/00	6010B
Barium	98.8	mg/Kg	4/24/00	6010B
Cadmium	1.97	mg/Kg	4/23/00	6010B
Chromium	18.5	mg/Kg	4/23/00	6010B
Lead	452	mg/Kg	4/25/00	6010B
Mercury	0.284	mg/Kg	4/23/00	7471A
Selenium	<0.50	mg/Kg	4/23/00	6010B
Silver	<0.50	mg/Kg	4/23/00	6010B

JLS 1565

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Analytical Report

Client:	CTE Engineers	Date Received:	4/21/00
Project ID:	40279, Einoder	Date Taken:	4/20/00
Sample Number:	B-6-D	Time Taken:	10:12
STAT Project No.:	600259	Date Reported:	5/2/00
STAT Sample No.:	907004		

Analyte	Result	Units
Solids, Total	85.96	%

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00
 Analysis Date: 4/25/00, 4/26/00

Naphthalene	59.5	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	72.2	µg/Kg
Fluorene	87.6	µg/Kg
Phenanthrene	706	µg/Kg
Anthracene	176	µg/Kg
Fluoranthene	907	µg/Kg
Pyrene	799	µg/Kg
Chrysene	423	µg/Kg
Benzo[a]anthracene	162	µg/Kg
Benzo[b]fluoranthene	166	µg/Kg
Benzo[k]fluoranthene	157	µg/Kg
Benzo[a]pyrene	158	µg/Kg
Indeno[1,2,3-cd]pyrene	122	µg/Kg
Dibenz[a,h]anthracene	52.6	µg/Kg
Benzo[g,h,i]perylene	123	µg/Kg

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1566

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Analytical Report

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-6-D
 STAT Project No.: 600259
 STAT Sample No.: 907004

Date Received: 4/21/00
 Date Taken: 4/20/00
 Time Taken: 10:12
 Date Reported: 5/2/00

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	3.58	mg/Kg	4/29/00	6010B
Barium	48.0	mg/Kg	4/29/00	6010B
Cadmium	0.869	mg/Kg	4/29/00	6010B
Chromium	6.36	mg/Kg	4/29/00	6010B
Lead	101	mg/Kg	4/29/00	6010B
Mercury	0.059	mg/Kg	5/1/00	7471A
Selenium	<0.50	mg/Kg	4/29/00	6010B
Silver	<0.50	mg/Kg	4/29/00	6010B

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1567

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-7-A
 STAT Project No.: 600259
 STAT Sample No.: 907005

Date Received: 4/21/00
 Date Taken: 4/20/00
 Time Taken: 1:01PM
 Date Reported: 5/2/00

Analyte	Result	Units
Solids, Total	89.93	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/24/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

JLS 1568

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-7-A
 STAT Project No.: 600259
 STAT Sample No.: 907005

Date Received: 4/21/00
 Date Taken: 4/20/00
 Time Taken: 1:01PM
 Date Reported: 5/2/00

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00

Analysis Date: 4/25/00, 4/26/00

Naphthalene	134	µg/Kg
Acenaphthylene	167	µg/Kg
Acenaphthene	888	µg/Kg
Fluorene	1,140	µg/Kg
Phenanthrene	6,880	µg/Kg
Anthracene	2,120	µg/Kg
Fluoranthene	9,710	µg/Kg
Pyrene	8,700	µg/Kg
Chrysene	4,150	µg/Kg
Benzo[a]anthracene	4,350	µg/Kg
Benzo[b]fluoranthene	4,650	µg/Kg
Benzo[k]fluoranthene	2,850	µg/Kg
Benzo[a]pyrene	4,400	µg/Kg
Indeno[1,2,3-cd]pyrene	1,480	µg/Kg
Dibenz[a,h]anthracene	319	µg/Kg
Benzo[g,h,i]perylene	1,560	µg/Kg

JLS 1569

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Analytical Report

Client:	CTE Engineers	Date Received:	4/21/00
Project ID:	40279, Einoder	Date Taken:	4/20/00
Sample Number:	B-7-A	Time Taken:	1:01PM
STAT Project No.:	600259	Date Reported:	5/2/00
STAT Sample No.:	907005		

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	3.09	mg/Kg	4/24/00	6010B
Barium	86.1	mg/Kg	4/25/00	6010B
Cadmium	0.950	mg/Kg	4/24/00	6010B
Chromium	4.88	mg/Kg	4/24/00	6010B
Lead	70.9	mg/Kg	4/25/00	6010B
Mercury	0.157	mg/Kg	4/23/00	7471A
Selenium	<0.50	mg/Kg	4/24/00	6010B
Silver	<0.50	mg/Kg	4/24/00	6010B

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1570

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-7-C
 STAT Project No.: 600259
 STAT Sample No.: 907006

Date Received: 4/21/00
 Date Taken: 4/20/00
 Time Taken: 1:47
 Date Reported: 5/2/00

Analyte	Result	Units
Solids, Total	77.57	%
Volatile Organic Compounds Method 8260B		
Analysis Date:	4/24/00	
Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

JLS 1571

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-7-C
 STAT Project No.: 600259
 STAT Sample No.: 907006

Date Received: 4/21/00
 Date Taken: 4/20/00
 Time Taken: 1:47
 Date Reported: 5/2/00

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00

Analysis Date: 4/26/00

Naphthalene	< 25.0	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	< 50.0	µg/Kg
Fluorene	< 50.0	µg/Kg
Phenanthrene	< 50.0	µg/Kg
Anthracene	< 50.0	µg/Kg
Fluoranthene	< 50.0	µg/Kg
Pyrene	< 50.0	µg/Kg
Chrysene	< 50.0	µg/Kg
Benzo[a]anthracene	< 8.70	µg/Kg
Benzo[b]fluoranthene	< 11.0	µg/Kg
Benzo[k]fluoranthene	< 11.0	µg/Kg
Benzo[a]pyrene	< 15.0	µg/Kg
Indeno[1,2,3-cd]pyrene	< 29.0	µg/Kg
Dibenz[a,h]anthracene	< 20.0	µg/Kg
Benzo[g,h,i]perylene	< 50.0	µg/Kg

JLS
1572

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Analytical Report

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-7-C
 STAT Project No.: 600259
 STAT Sample No.: 907006

Date Received: 4/21/00
 Date Taken: 4/20/00
 Time Taken: 1:47
 Date Reported: 5/2/00

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	5.93	mg/Kg	4/24/00	6010B
Barium	18.2	mg/Kg	4/24/00	6010B
Cadmium	1.40	mg/Kg	4/24/00	6010B
Chromium	5.21	mg/Kg	4/24/00	6010B
Lead	12.9	mg/Kg	4/24/00	6010B
Mercury	<0.04	mg/Kg	4/23/00	7471A
Selenium	<0.50	mg/Kg	4/24/00	6010B
Silver	<0.50	mg/Kg	4/24/00	6010B

JLS 1573

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Analytical Report

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-8-B
 STAT Project No.: 600259
 STAT Sample No.: 907007

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 8:21 AM
 Date Reported: 5/2/00

Analyte	Result	Units
Solids, Total	87.09	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/24/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

JLS 1574

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-8-B
 STAT Project No.: 600259
 STAT Sample No.: 907007

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 8:21AM
 Date Reported: 5/2/00

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00
 Analysis Date: 4/26/00, 4/27/00

Naphthalene	235	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	641	µg/Kg
Fluorene	733	µg/Kg
Phenanthrene	4,790	µg/Kg
Anthracene	1,390	µg/Kg
Fluoranthene	6,840	µg/Kg
Pyrene	5,260	µg/Kg
Chrysene	2,820	µg/Kg
Benzo[a]anthracene	2,860	µg/Kg
Benzo[b]fluoranthene	2,850	µg/Kg
Benzo[k]fluoranthene	1,910	µg/Kg
Benzo[a]pyrene	2,810	µg/Kg
Indeno[1,2,3-cd]pyrene	1,250	µg/Kg
Dibenz[a,h]anthracene	222	µg/Kg
Benzo[g,h,i]perylene	1,220	µg/Kg

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1575

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/21/00
Project ID:	40279, Einoder	Date Taken:	4/21/00
Sample Number:	B-8-B	Time Taken:	8:21 AM
STAT Project No.:	600259	Date Reported:	5/2/00
STAT Sample No.:	907007		

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	2.43	mg/Kg	4/24/00	6010B
Barium	96.6	mg/Kg	4/25/00	6010B
Cadmium	1.09	mg/Kg	4/24/00	6010B
Chromium	6.65	mg/Kg	4/24/00	6010B
Lead	121	mg/Kg	4/25/00	6010B
Mercury	0.184	mg/Kg	4/23/00	7471A
Selenium	<0.50	mg/Kg	4/24/00	6010B
Silver	<0.50	mg/Kg	4/24/00	6010B

JLS 1576

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/21/00
Project ID:	40279, Einoder	Date Taken:	4/21/00
Sample Number:	B-8-E	Time Taken:	9:03
STAT Project No.:	600259	Date Reported:	5/2/00
STAT Sample No.:	907008		

Analyte	Result	Units
Solids, Total	85.61	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/24/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	12.0	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-8-E
 STAT Project No.: 600259
 STAT Sample No.: 907008

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 9:03
 Date Reported: 5/2/00

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00
 Analysis Date: 4/26/00, 4/27/00

Naphthalene	95.6	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	65.3	µg/Kg
Fluorene	73.3	µg/Kg
Phenanthrene	652	µg/Kg
Anthracene	157	µg/Kg
Fluoranthene	1,030	µg/Kg
Pyrene	837	µg/Kg
Chrysene	475	µg/Kg
Benzo[a]anthracene	379	µg/Kg
Benzo[b]fluoranthene	290	µg/Kg
Benzo[k]fluoranthene	189	µg/Kg
Benzo[a]pyrene	227	µg/Kg
Indeno[1,2,3-cd]pyrene	106	µg/Kg
Dibenz[a,h]anthracene	44.0	µg/Kg
Benzo[g,h,i]perylene	98.1	µg/Kg

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1578

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Analytical Report

Client:	CTE Engineers	Date Received:	4/21/00
Project ID:	40279, Einoder	Date Taken:	4/21/00
Sample Number:	B-8-E	Time Taken:	9:03
STAT Project No.:	600259	Date Reported:	5/2/00
STAT Sample No.:	907008		

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	2.72	mg/Kg	4/24/00	6010B
Barium	68.5	mg/Kg	4/25/00	6010B
Cadmium	1.01	mg/Kg	4/24/00	6010B
Chromium	5.02	mg/Kg	4/24/00	6010B
Lead	200	mg/Kg	4/25/00	6010B
Mercury	0.237	mg/Kg	4/23/00	7471A
Selenium	<0.50	mg/Kg	4/24/00	6010B
Silver	<0.50	mg/Kg	4/24/00	6010B

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1579

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-9-A
 STAT Project No.: 600259
 STAT Sample No.: 907009

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 10:35 AM
 Date Reported: 5/2/00

Analyte	Result	Units
Solids, Total	81.89	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/25/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-9-A
 STAT Project No.: 600259
 STAT Sample No.: 907009

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 10.35AM
 Date Reported: 5/2/00

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00
 Analysis Date: 4/25/00, 4/26/00

Naphthalene	71.9	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	95.1	µg/Kg
Fluorene	125	µg/Kg
Phenanthrene	910	µg/Kg
Anthracene	241	µg/Kg
Fluoranthene	1,410	µg/Kg
Pyrene	1,130	µg/Kg
Chrysene	597	µg/Kg
Benzo[a]anthracene	193	µg/Kg
Benzo[b]fluoranthene	220	µg/Kg
Benzo[k]fluoranthene	179	µg/Kg
Benzo[a]pyrene	190	µg/Kg
Indeno[1,2,3-cd]pyrene	189	µg/Kg
Dibenz[a,h]anthracene	97.2	µg/Kg
Benzo[g,h,i]perylene	192	µg/Kg

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1581

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Analytical Report

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-9-A
 STAT Project No.: 600259
 STAT Sample No.: 907009

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 10:35AM
 Date Reported: 5/2/00

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	4.14	mg/Kg	4/24/00	6010B
Barium	71.6	mg/Kg	4/25/00	6010B
Cadmium	1.37	mg/Kg	4/24/00	6010B
Chromium	7.01	mg/Kg	4/24/00	6010B
Lead	115	mg/Kg	4/25/00	6010B
Mercury	0.128	mg/Kg	4/23/00	7471A
Selenium	<0.50	mg/Kg	4/24/00	6010B
Silver	<0.50	mg/Kg	4/24/00	6010B

JLS 1582

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-9-H
 STAT Project No.: 600259
 STAT Sample No.: 907010

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 1:02PM
 Date Reported: 5/2/00

Analyte	Result	Units
Solids, Total	84.95	%

Volatile Organic Compounds Method 8260B

Analysis Date: 4/26/00

Acetone	< 25.0	µg/Kg
Benzene	< 5.00	µg/Kg
Bromodichloromethane	< 5.00	µg/Kg
Bromoform	< 5.00	µg/Kg
Bromomethane	< 10.0	µg/Kg
2-Butanone	< 10.0	µg/Kg
Carbon disulfide	< 5.00	µg/Kg
Carbon tetrachloride	< 5.00	µg/Kg
Chlorobenzene	< 5.00	µg/Kg
Chlorodibromomethane	< 5.00	µg/Kg
Chloroethane	< 10.0	µg/Kg
Chloroform	< 5.00	µg/Kg
Chloromethane	< 10.0	µg/Kg
1,1-Dichloroethane	< 5.00	µg/Kg
1,2-Dichloroethane	< 5.00	µg/Kg
1,1-Dichloroethene	< 5.00	µg/Kg
cis-1,2-Dichloroethene	< 5.00	µg/Kg
trans-1,2-Dichloroethene	< 5.00	µg/Kg
1,2-Dichloropropane	< 5.00	µg/Kg
cis-1,3-Dichloropropene	< 5.00	µg/Kg
trans-1,3-Dichloropropene	< 5.00	µg/Kg
Ethyl benzene	< 5.00	µg/Kg
2-Hexanone	< 10.0	µg/Kg
4-Methyl-2-pentanone	< 10.0	µg/Kg
Methylene chloride	< 5.00	µg/Kg
Styrene	< 5.00	µg/Kg
1,1,2,2-Tetrachloroethane	< 5.00	µg/Kg
Tetrachloroethene	< 5.00	µg/Kg

JLS 1583

***** PC# 38 *****

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-9-H
 STAT Project No.: 600259
 STAT Sample No.: 907010

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 1:02PM
 Date Reported: 5/2/00

Analyte	Result	Units
Toluene	< 5.00	µg/Kg
1,1,1-Trichloroethane	< 5.00	µg/Kg
1,1,2-Trichloroethane	< 5.00	µg/Kg
Trichloroethene	< 5.00	µg/Kg
Vinyl Acetate	< 10.0	µg/Kg
Vinyl Chloride	< 10.0	µg/Kg
Xylenes (total)	< 5.00	µg/Kg

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00
 Analysis Date: 4/25/00, 4/26/00

Naphthalene	< 25.0	µg/Kg
Acenaphthylene	< 50.0	µg/Kg
Acenaphthene	< 50.0	µg/Kg
Fluorene	< 50.0	µg/Kg
Phenanthrene	546	µg/Kg
Anthracene	104	µg/Kg
Fluoranthene	797	µg/Kg
Pyrene	736	µg/Kg
Chrysene	308	µg/Kg
Benzo[a]anthracene	103	µg/Kg
Benzo[b]fluoranthene	99.4	µg/Kg
Benzo[k]fluoranthene	123	µg/Kg
Benzo[a]pyrene	112	µg/Kg
Indeno[1,2,3-cd]pyrene	124	µg/Kg
Dibenz[a,h]anthracene	55.4	µg/Kg
Benzo[g,h,i]perylene	135	µg/Kg

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Analytical Report

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: B-9-H
 STAT Project No.: 600259
 STAT Sample No.: 907010

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 1:02PM
 Date Reported: 5/2/00

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	3.89	mg/Kg	4/24/00	6010B
Barium	124	mg/Kg	4/25/00	6010B
Cadmium	1.61	mg/Kg	4/24/00	6010B
Chromium	9.46	mg/Kg	4/24/00	6010B
Lead	141	mg/Kg	4/25/00	6010B
Mercury	0.554	mg/Kg	4/23/00	7471A
Selenium	<0.50	mg/Kg	4/24/00	6010B
Silver	<0.50	mg/Kg	4/24/00	6010B

125 1585

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Analytical Report

Client:	CTE Engineers	Date Received:	4/21/00
Project ID:	40279, Einoder	Date Taken:	4/21/00
Sample Number:	MW-A	Time Taken:	9:53
STAT Project No.:	600259	Date Reported:	5/2/00
STAT Sample No.:	907011		

Analyte	Result	Units
Volatile Organic Compounds Method 5030B/8260B		
Analysis Date:	4/25/00	
Acetone	< 50.0	µg/L
Benzene	< 5.00	µg/L
Bromodichloromethane	< 5.00	µg/L
Bromoform	< 5.00	µg/L
Bromomethane	< 10.0	µg/L
2-Butanone	6.51	µg/L
Carbon disulfide	< 5.00	µg/L
Carbon tetrachloride	< 5.00	µg/L
Chlorobenzene	< 5.00	µg/L
Chlorodibromomethane	< 5.00	µg/L
Chloroethane	< 10.0	µg/L
Chloroform	< 5.00	µg/L
Chloromethane	< 10.0	µg/L
1,1-Dichloroethane	< 5.00	µg/L
1,2-Dichloroethane	< 5.00	µg/L
1,1-Dichloroethene	< 5.00	µg/L
cis-1,2-Dichloroethene	< 5.00	µg/L
trans-1,2-Dichloroethene	< 5.00	µg/L
1,2-Dichloropropane	< 5.00	µg/L
cis-1,3-Dichloropropene	< 5.00	µg/L
trans-1,3-Dichloropropene	< 5.00	µg/L
Ethyl benzene	< 5.00	µg/L
2-Hexanone	< 10.0	µg/L
4-Methyl-2-pentanone	< 10.0	µg/L
Methylene chloride	< 5.00	µg/L
Styrene	< 5.00	µg/L
1,1,2,2-Tetrachloroethane	< 5.00	µg/L
Tetrachloroethene	< 5.00	µg/L
Toluene	< 5.00	µg/L
1,1,1-Trichloroethane	< 5.00	µg/L

JLS 1586

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Analytical Report

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: MW-A
 STAT Project No.: 600259
 STAT Sample No.: 907011

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 9:53
 Date Reported: 5/2/00

Analyte	Result	Units
1,1,2-Trichloroethane	< 5.00	µg/L
Trichloroethene	< 5.00	µg/L
Vinyl Acetate	< 10.0	µg/L
Vinyl Chloride	< 10.0	µg/L
Xylenes (total)	< 5.00	µg/L

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00

Analysis Date: 4/24/00

Naphthalene	5.96	µg/L
Acenaphthylene	< 2.00	µg/L
Acenaphthene	< 2.00	µg/L
Fluorene	< 2.00	µg/L
Phenanthrene	< 2.00	µg/L
Anthracene	< 2.00	µg/L
Fluoranthene	< 2.00	µg/L
Pyrene	< 2.00	µg/L
Chrysene	< 0.50	µg/L
Benzo[a]anthracene	0.120	µg/L
Benzo[b]fluoranthene	0.160	µg/L
Benzo[k]fluoranthene	0.170	µg/L
Benzo[a]pyrene	0.220	µg/L
Indeno[1,2,3-cd]pyrene	0.200	µg/L
Dibenz[a,h]anthracene	< 0.060	µg/L
Benzo[g,h,i]perylene	0.270	µg/L

JLS 1587

*****PC# 38*****

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Analytical Report

Client:	CTE Engineers	Date Received:	4/21/00
Project ID:	40279, Einoder	Date Taken:	4/21/00
Sample Number:	MW-A	Time Taken:	9:53
STAT Project No.:	600259	Date Reported:	5/2/00
STAT Sample No.:	907011		

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	0.031	mg/L	4/23/00	6010B
Barium	0.652	mg/L	4/23/00	6010B
Cadmium	0.015	mg/L	4/23/00	6010B
Chromium	0.051	mg/L	4/23/00	6010B
Lead	4.23	mg/L	4/24/00	6010B
Mercury	0.0005	mg/L	4/23/00	7470A
Selenium	<0.010	mg/L	4/23/00	6010B
Silver	<0.010	mg/L	4/23/00	6010B

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: MW-B
 STAT Project No.: 600259
 STAT Sample No.: 907012

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 12:18
 Date Reported: 5/2/00

Analyte	Result	Units
Volatile Organic Compounds Method 5030B/8260B		
Analysis Date:	4/25/00	
Acetone	< 50.0	µg/L
Benzene	< 5.00	µg/L
Bromodichloromethane	< 5.00	µg/L
Bromoform	< 5.00	µg/L
Bromomethane	< 10.0	µg/L
2-Butanone	< 10.0	µg/L
Carbon disulfide	< 5.00	µg/L
Carbon tetrachloride	< 5.00	µg/L
Chlorobenzene	< 5.00	µg/L
Chlorodibromomethane	< 5.00	µg/L
Chloroethane	< 10.0	µg/L
Chloroform	< 5.00	µg/L
Chloromethane	< 10.0	µg/L
1,1-Dichloroethane	< 5.00	µg/L
1,2-Dichloroethane	< 5.00	µg/L
1,1-Dichloroethene	< 5.00	µg/L
cis-1,2-Dichloroethene	< 5.00	µg/L
trans-1,2-Dichloroethene	< 5.00	µg/L
1,2-Dichloropropane	< 5.00	µg/L
cis-1,3-Dichloropropene	< 5.00	µg/L
trans-1,3-Dichloropropene	< 5.00	µg/L
Ethyl benzene	< 5.00	µg/L
2-Hexanone	< 10.0	µg/L
4-Methyl-2-pentanone	< 10.0	µg/L
Methylene chloride	< 5.00	µg/L
Styrene	< 5.00	µg/L
1,1,2,2-Tetrachloroethane	< 5.00	µg/L
Tetrachloroethene	< 5.00	µg/L
Toluene	< 5.00	µg/L
1,1,1-Trichloroethane	< 5.00	µg/L

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**Analytical Report**

Client:	CTE Engineers	Date Received:	4/21/00
Project ID:	40279, Einoder	Date Taken:	4/21/00
Sample Number:	MW-B	Time Taken:	12:18
STAT Project No.:	600259	Date Reported:	5/2/00
STAT Sample No.:	907012		

Analyte	Result	Units
1,1,2-Trichloroethane	< 5.00	µg/L
Trichloroethene	< 5.00	µg/L
Vinyl Acetate	< 10.0	µg/L
Vinyl Chloride	< 10.0	µg/L
Xylenes (total)	< 5.00	µg/L

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00

Analysis Date: 4/24/00

Naphthalene	< 1.00	µg/L
Acenaphthylene	< 2.00	µg/L
Acenaphthene	< 2.00	µg/L
Fluorene	< 2.00	µg/L
Phenanthrene	< 2.00	µg/L
Anthracene	< 2.00	µg/L
Fluoranthene	< 2.00	µg/L
Pyrene	< 2.00	µg/L
Chrysene	< 0.50	µg/L
Benzo[a]anthracene	< 0.060	µg/L
Benzo[b]fluoranthene	0.110	µg/L
Benzo[k]fluoranthene	0.180	µg/L
Benzo[a]pyrene	0.150	µg/L
Indeno[1,2,3-cd]pyrene	0.190	µg/L
Dibenz[a,h]anthracene	< 0.060	µg/L
Benzo[g,h,i]perylene	0.240	µg/L

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Analytical Report

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: MW-B
 STAT Project No.: 600259
 STAT Sample No.: 907012

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 12:18
 Date Reported: 5/2/00

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	<0.010	mg/L	4/23/00	6010B
Barium	0.054	mg/L	4/23/00	6010B
Cadmium	<0.010	mg/L	4/23/00	6010B
Chromium	<0.010	mg/L	4/23/00	6010B
Lead	0.011	mg/L	4/23/00	6010B
Mercury	<0.0005	mg/L	4/23/00	7470A
Selenium	<0.010	mg/L	4/23/00	6010B
Silver	<0.010	mg/L	4/23/00	6010B

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: MW-C
 STAT Project No.: 600259
 STAT Sample No.: 907013

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 12:51
 Date Reported: 5/2/00

Analyte	Result	Units
Volatile Organic Compounds Method 5030B/8260B		
Analysis Date:	4/25/00	
Acetone	< 50.0	µg/L
Benzene	< 5.00	µg/L
Bromodichloromethane	< 5.00	µg/L
Bromoform	< 5.00	µg/L
Bromomethane	< 10.0	µg/L
2-Butanone	< 10.0	µg/L
Carbon disulfide	< 5.00	µg/L
Carbon tetrachloride	< 5.00	µg/L
Chlorobenzene	< 5.00	µg/L
Chlorodibromomethane	< 5.00	µg/L
Chloroethane	< 10.0	µg/L
Chloroform	< 5.00	µg/L
Chloromethane	< 10.0	µg/L
1,1-Dichloroethane	< 5.00	µg/L
1,2-Dichloroethane	< 5.00	µg/L
1,1-Dichloroethene	< 5.00	µg/L
cis-1,2-Dichloroethene	< 5.00	µg/L
trans-1,2-Dichloroethene	< 5.00	µg/L
1,2-Dichloropropane	< 5.00	µg/L
cis-1,3-Dichloropropene	< 5.00	µg/L
trans-1,3-Dichloropropene	< 5.00	µg/L
Ethyl benzene	< 5.00	µg/L
2-Hexanone	< 10.0	µg/L
4-Methyl-2-pentanone	< 10.0	µg/L
Methylene chloride	< 5.00	µg/L
Styrene	< 5.00	µg/L
1,1,2,2-Tetrachloroethane	< 5.00	µg/L
Tetrachloroethene	< 5.00	µg/L
Toluene	< 5.00	µg/L
1,1,1-Trichloroethane	< 5.00	µg/L

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: MW-C
 STAT Project No.: 600259
 STAT Sample No.: 907013

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 12:51
 Date Reported: 5/2/00

Analyte	Result	Units
1,1,2-Trichloroethane	< 5.00	µg/L
Trichloroethene	< 5.00	µg/L
Vinyl Acetate	< 10.0	µg/L
Vinyl Chloride	< 10.0	µg/L
Xylenes (total)	< 5.00	µg/L

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00

Analysis Date: 4/24/00

Naphthalene	11.1	µg/L
Acenaphthylene	< 2.00	µg/L
Acenaphthene	< 2.00	µg/L
Fluorene	< 2.00	µg/L
Phenanthrene	2.62	µg/L
Anthracene	< 2.00	µg/L
Fluoranthene	< 2.00	µg/L
Pyrene	< 2.00	µg/L
Chrysene	< 0.50	µg/L
Benzo[a]anthracene	0.150	µg/L
Benzo[b]fluoranthene	0.120	µg/L
Benzo[k]fluoranthene	< 0.060	µg/L
Benzo[a]pyrene	0.140	µg/L
Indeno[1,2,3-cd]pyrene	0.150	µg/L
Dibenz[a,h]anthracene	< 0.060	µg/L
Benzo[g,h,i]perylene	0.200	µg/L

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Analytical Report

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: MW-C
 STAT Project No.: 600259
 STAT Sample No.: 907013

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 12:51
 Date Reported: 5/2/00

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	0.015	mg/L	4/23/00	6010B
Barium	0.169	mg/L	4/23/00	6010B
Cadmium	<0.005	mg/L	4/23/00	6010B
Chromium	0.016	mg/L	4/23/00	6010B
Lead	0.025	mg/L	4/23/00	6010B
Mercury	<0.0005	mg/L	4/23/00	7470A
Selenium	0.017	mg/L	4/23/00	6010B
Silver	<0.010	mg/L	4/23/00	6010B

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: MW-D
 STAT Project No.: 600259
 STAT Sample No.: 907014

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 3:31
 Date Reported: 5/2/00

Analyte	Result	Units
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Volatile Organic Compounds Method 5030B/8260B

Analysis Date: 4/25/00

Acetone	< 50.0	µg/L
Benzene	< 5.00	µg/L
Bromodichloromethane	< 5.00	µg/L
Bromoform	< 5.00	µg/L
Bromomethane	< 10.0	µg/L
2-Butanone	< 10.0	µg/L
Carbon disulfide	< 5.00	µg/L
Carbon tetrachloride	< 5.00	µg/L
Chlorobenzene	< 5.00	µg/L
Chlorodibromomethane	< 5.00	µg/L
Chloroethane	< 10.0	µg/L
Chloroform	< 5.00	µg/L
Chloromethane	< 10.0	µg/L
1,1-Dichloroethane	< 5.00	µg/L
1,2-Dichloroethane	< 5.00	µg/L
1,1-Dichloroethene	< 5.00	µg/L
cis-1,2-Dichloroethene	< 5.00	µg/L
trans-1,2-Dichloroethene	< 5.00	µg/L
1,2-Dichloropropane	< 5.00	µg/L
cis-1,3-Dichloropropene	< 5.00	µg/L
trans-1,3-Dichloropropene	< 5.00	µg/L
Ethyl benzene	< 5.00	µg/L
2-Hexanone	< 10.0	µg/L
4-Methyl-2-pentanone	< 10.0	µg/L
Methylene chloride	< 5.00	µg/L
Styrene	< 5.00	µg/L
1,1,2,2-Tetrachloroethane	< 5.00	µg/L
Tetrachloroethene	< 5.00	µg/L
Toluene	< 5.00	µg/L
1,1,1-Trichloroethane	< 5.00	µg/L

JLS 1595

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**Analytical Report**

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: MW-D
 STAT Project No.: 600259
 STAT Sample No.: 907014

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 3:31
 Date Reported: 5/2/00

Analyte	Result	Units
1,1,2-Trichloroethane	< 5.00	µg/L
Trichloroethene	< 5.00	µg/L
Vinyl Acetate	< 10.0	µg/L
Vinyl Chloride	< 10.0	µg/L
Xylenes (total)	< 5.00	µg/L

Polynuclear Aromatic Hydrocarbons Method 8270C

Preparation Date: 4/24/00

Analysis Date: 4/24/00

Naphthalene	< 1.00	µg/L
Acenaphthylene	< 2.00	µg/L
Acenaphthene	< 2.00	µg/L
Fluorene	< 2.00	µg/L
Phenanthrene	< 2.00	µg/L
Anthracene	< 2.00	µg/L
Fluoranthene	< 2.00	µg/L
Pyrene	< 2.00	µg/L
Chrysene	< 0.50	µg/L
Benzo[a]anthracene	< 0.060	µg/L
Benzo[b]fluoranthene	< 0.060	µg/L
Benzo[k]fluoranthene	< 0.060	µg/L
Benzo[a]pyrene	< 0.060	µg/L
Indeno[1,2,3-cd]pyrene	< 0.060	µg/L
Dibenz[a,h]anthracene	< 0.060	µg/L
Benzo[g,h,i]perylene	0.100	µg/L

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Analytical Report

Client: CTE Engineers
 Project ID: 40279, Einoder
 Sample Number: MW-D
 STAT Project No.: 600259
 STAT Sample No.: 907014

Date Received: 4/21/00
 Date Taken: 4/21/00
 Time Taken: 3:31
 Date Reported: 5/2/00

Analyte	Result	Units	Date Analyzed	Method
RCRA Metals				
Arsenic	<0.010	mg/L	4/23/00	6010B
Barium	0.044	mg/L	4/23/00	6010B
Cadmium	<0.005	mg/L	4/23/00	6010B
Chromium	<0.010	mg/L	4/23/00	6010B
Lead	0.005	mg/L	4/23/00	6010B
Mercury	<0.0005	mg/L	4/23/00	7470A
Selenium	<0.010	mg/L	4/23/00	6010B
Silver	<0.010	mg/L	4/23/00	6010B

JLS 1597

