

From: "Ginzel, Michael" <Michael.Ginzel@Honeywell.com>
To: "JLH@nrc.gov" <JLH@nrc.gov>, "RXG@nrc.gov" <RXG@nrc.gov>
Date: Mon, Jan 5, 2004 1:37 PM
Subject: Initial Radiological Results

Mr. Henson,

Please find attached the initial results for off site initial sampling raw data performed by Honeywell and Duratek personnel. The Duratek results files start with gts, results of the inspection of the dust collector are as follows:

- Bags found to be intact. To be changed prior to re-start.
- Presence of residue indicators UF6 traveled through the baghouse.
- HP air samples inconclusive due to potential plugging.

The GTS air sample is thought to be cross contaminated while sample was being obtained and is being investigated.

Richard Gibson requested:

Stack Exit Height: 86 feet
Building Height: 105 feet
Fence line HF Values and meaning: Value reported was .45 ppm. The monitor's intention is to allow the plant initial indication of an HF leak that may reach the fence line. This value is not expected to be the concentration of HF passing by the monitor due to a portion of the release passing possibly over the monitor (elevated).

<<gts soil.xls>> <<gts urine.xls>> <<gts liquid.xls>> <<Special ENV results for UF6 Release 12_22_03.xls>> <<April 2003.xls>> <<gts AS.xls>>

Michael Ginzel
Health Physics Supervisor
Honeywell
Specialty Products
Highway 45 North
Metropolis, IL 62960
618-524-6349

Michael Ginzel
Health Physics Supervisor
Honeywell
Specialty Products
Highway 45 North
Metropolis, IL 62960

information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 6
EOIA-2005-216

F-2

618-524-6349

Generic Data Report 03-12118

Eberline Results														
InternalID	InternalWorkOrder	Fraction	AnalysisCode	Isotope	Run	ClientName	SampleType	ClientID	ReportUnits	Result	Uncertainty	MDA	LSCKnown	LCSPercentR
03-12118-01	03-12118	01	KPA_SOL	TOTAL U	1	Duratek	LCS	LCS	ug/g	98.95823488	3.126707543	0.108732731	100	98.95823488
03-12118-02	03-12118	02	KPA_SOL	TOTAL U	1	Duratek	MBL	BLANK	ug/g	0.021429108	0.000549888	0.105218516		
03-12118-03	03-12118	03	KPA_SOL	TOTAL U	1	Duratek	DUP	HNR7-2	ug/g	4.038460856	0.292536652	0.110169728		
03-12118-04	03-12118	04	KPA_SOL	TOTAL U	1	Duratek	DO	HNR7-2	ug/g	4.392489918	0.311323612	0.10560223		
03-12118-05	03-12118	05	KPA_SOL	TOTAL U	1	Duratek	TRG	HNR7-3	ug/g	1.906425488	0.144036699	0.108028199		
03-12118-06	03-12118	06	KPA_SOL	TOTAL U	1	Duratek	TRG	H6-2	ug/g	2.343058699	0.154884154	0.100819535		
03-12118-07	03-12118	07	KPA_SOL	TOTAL U	1	Duratek	TRG	H6-3	ug/g	2.262955181	0.110709654	0.099707796		
03-12118-08	03-12118	08	KPA_SOL	TOTAL U	1	Duratek	TRG	HG7-2	ug/g	1.460204977	0.07941292	0.103457619		
03-12118-09	03-12118	09	KPA_SOL	TOTAL U	1	Duratek	TRG	HMGS-2	ug/g	2.007574702	0.121778528	0.108948043		
03-12118-10	03-12118	10	KPA_SOL	TOTAL U	1	Duratek	TRG	HMGS-3	ug/g	2.033506347	0.12907339	0.10082236		
03-12118-11	03-12118	11	KPA_SOL	TOTAL U	1	Duratek	TRG	HF6-2	ug/g	2.243204929	0.107869644	0.103691598		
03-12118-12	03-12118	12	KPA_SOL	TOTAL U	1	Duratek	TRG	HSP1-2	ug/g	2.217573606	0.131524851	0.108732731		
03-12118-13	03-12118	13	KPA_SOL	TOTAL U	1	Duratek	TRG	HSP1-3	ug/g	2.519909344	0.137737953	0.108797235		
03-12118-14	03-12118	14	KPA_SOL	TOTAL U	1	Duratek	TRG	H5-2	ug/g	2.263880916	0.124227784	0.100454194		
03-12118-15	03-12118	15	KPA_SOL	TOTAL U	1	Duratek	TRG	H5-3	ug/g	2.446919473	0.12224466	0.105866388		
03-12118-16	03-12118	16	KPA_SOL	TOTAL U	1	Duratek	TRG	HTA-1	ug/g	2.66997022	0.158870743	0.106357553		

Generic Data Report 03-12118

LCSFlag	RPDFlag	MDAFLag	BlankFlag	SampleDate	AllquotNetEquiv	RadioPercentRec	GravPercentRec	MeanPercentRec	SAF	Sept0Date	Sept1Date	CountDate	Halfife_days	Detector	Carrier	CountTime	Counts	BkgCPM	Eff
OK		OK		12/29/2003	0.01012		0	90.87809				01/02/2004	0						
		OK	OK	12/29/2003	0.010458		0	90.87809				01/02/2004	0						
	OK	OK		12/24/2003	0.009988		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.01042		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.010186		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.010936		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.011036		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.010636		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.0101		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.010914		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.010612		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.01012		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.010114		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.010954		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.010394		0	90.87809				01/02/2004	0						
		OK		12/24/2003	0.010346		0	90.87809				01/02/2004	0						

Generic Data Report
03-12118

ModDate	RPD Value	Matrix	DateReceived	GrossWtWt	PercentLiq	PercentSols	Date_L0	UserName_L0	DilutionRatio	SolutionNo	PrepDate	AliquotDate	CoordinateX	CoordinateY	XYUnits	CoordinateZ	ZUnits	GravFilterNet	InstrCode	Method	TPVFactor	TPV	LCBKnownError	SampleStartDate
SO			12/29/2003						0.01012			01/02/2004							5	ASTM D5174 Modified	0.0064	0.511744032		
SO			12/29/2003						0.010456			01/02/2004							5	ASTM D5174 Modified	0.0064	0.001800361		
SO			12/29/2003						0.008988			01/02/2004							5	ASTM D5174 Modified	0.0064	0.435638828		
SO			12/29/2003	421.139	0.30335505	0.89984435			0.01042			01/02/2004							5	ASTM D5174 Modified	0.0064	0.499471814		
SO			12/29/2003	840.806	0.183001108	0.809928894			0.010186			01/02/2004							5	ASTM D5174 Modified	0.0064	0.209778999		
SO			12/29/2003	810.347	0.22478556	0.77824442			0.010836			01/02/2004							5	ASTM D5174 Modified	0.0064	0.243155537		
SO			12/29/2003	741.298	0.213532079	0.786487021			0.010036			01/02/2004							5	ASTM D5174 Modified	0.0064	0.212204844		
SO			12/29/2003	177.024	0.322978778	0.679423222			0.010836			01/02/2004							5	ASTM D5174 Modified	0.0064	0.141253258		
SO			12/29/2003	318.137	0.302838785	0.697161215			0.0101			01/02/2004							5	ASTM D5174 Modified	0.0064	0.201554881		
SO			12/29/2003	794.391	0.211895636	0.788004162			0.010814			01/02/2004							5	ASTM D5174 Modified	0.0064	0.207865329		
SO			12/29/2003	181.481	0.58438231	0.41560769			0.010812			01/02/2004							5	ASTM D5174 Modified	0.0064	0.305381113		
SO			12/29/2003	855.867	0.278921802	0.721078198			0.01012			01/02/2004							5	ASTM D5174 Modified	0.0064	0.220843012		
SO			12/29/2003	563.73	0.21318371	0.78681629			0.010114			01/02/2004							5	ASTM D5174 Modified	0.0064	0.244154417		
SO			12/29/2003	827.501	0.355540081	0.644459919			0.010854			01/02/2004							5	ASTM D5174 Modified	0.0064	0.219821389		
SO			12/29/2003	856.818	0.298824146	0.703375854			0.010284			01/02/2004							5	ASTM D5174 Modified	0.0064	0.230786241		
SO			12/29/2003	721.858	0.2840333	0.7159667			0.010348			01/02/2004							5	ASTM D5174 Modified	0.0064	0.288302854		

Ex: b.

Generic Data Report

03-12107

Eberline Data													
InternalID	InternalWorkOrder	Fraction	AnalysisCode	Isotope	Run	ClientName	SampleType	ClientID	ReportUnits	Result	Uncertainty	MDA	
03-12107-01	03-12107	01	KPA_LIQ	TOTAL U	1	Duratek	LCS	LCS	ug/l	9.528501	0.126841883	1.00433259	
03-12107-02	03-12107	02	KPA_LIQ	TOTAL U	1	Duratek	MBL	BLANK	ug/l	0.184440759	0.005134195	0.502166295	
03-12107-03	03-12107	03	KPA_LIQ	TOTAL U	1	Duratek	DUP	[REDACTED]		0.964153261	0.038505479	0.502166295	
03-12107-04	03-12107	04	KPA_LIQ	TOTAL U	1	Duratek	DO			0.839384722	0.034577805	0.502166295	
03-12107-05	03-12107	05	KPA_LIQ	TOTAL U	1	Duratek	TRG			0.386152122	0.01220472	0.502166295	
03-12107-06	03-12107	06	KPA_LIQ	TOTAL U	1	Duratek	TRG			0.229492407	0.006363258	0.502166295	
Mike Ginzal Initial Calcs													
	104ug/l/0.02ALI	MTW procedure											
	ug/l	ALI	ug/l	ALI	mr/ALI	mr							
LCS	9.52	0.02	104	0.001831	5000	9.153846154							
BLANK	0.184440759	0.02	104	3.55E-05	5001	0.177382353							
[REDACTED]	0.964153261	0.02	104	0.000185	5002	0.927441271							
	0.839384722	0.02	104	0.000161	5003	0.807584954							
	0.386152122	0.02	104	7.43E-05	5004	0.371597157							
	0.229492407	0.02	104	4.41E-05	5005	0.220886442							

EX 6

Generic Data Report

03-12107

Eberline Data												
InternalID	InternalWorkOrder	Fraction	AnalysisCode	Isotope	Run	ClientName	SampleType	ClientID	ReportUnits	Result	Uncertainty	MDA
03-12107-01	03-12107	01	KPA_LIQ	TOTAL U	1	Duratek	LCS	LCS	ug/l	9.528501	0.126841883	1.00433259
03-12107-02	03-12107	02	KPA_LIQ	TOTAL U	1	Duratek	MBL	BLANK	ug/l	0.184440759	0.005134195	0.502166295
03-12107-03	03-12107	03	KPA_LIQ	TOTAL U	1	Duratek	DUP	Person 1	ug/l	0.964153261	0.038505479	0.502166295
03-12107-04	03-12107	04	KPA_LIQ	TOTAL U	1	Duratek	DO	Person 2	ug/l	0.839384722	0.034577805	0.502166295
03-12107-05	03-12107	05	KPA_LIQ	TOTAL U	1	Duratek	TRG	Person 3	ug/l	0.386152122	0.01220472	0.502166295
03-12107-06	03-12107	06	KPA_LIQ	TOTAL U	1	Duratek	TRG	Person 4	ug/l	0.229492407	0.006363258	0.502166295
Mike Ginzel Initial Calcs												
	104ug/l/.02ALI	MTW procedure										
	ug/l	ALI	ug/l	ALI	mr/ALI	mr						
LCS	9.52	0.02	104	0.001831	5000	9.153846154						
BLANK	0.184440759	0.02	104	3.55E-05	5001	0.177382353						
Person 1	0.964153261	0.02	104	0.000185	5002	0.927441271						
Person 2	0.839384722	0.02	104	0.000161	5003	0.807584954						
Person 3	0.386152122	0.02	104	7.43E-05	5004	0.371597157						
Person 4	0.229492407	0.02	104	4.41E-05	5005	0.220886442						

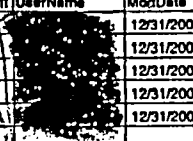
Generic Data Report

03-12116

Eberline data												
InternalID	InternalWorkOrder	Fraction	AnalysisCode	Isotope	Run	ClientName	SampleType	ClientID	ReportUnits	Result	Uncertainty	MDA
03-12116-01	03-12116	01	KPA_LIQ	TOTAL U	1	Duratek	LCS	LCS	ug/l	10.40573	0.152989	1
03-12116-02	03-12116	02	KPA_LIQ	TOTAL U	1	Duratek	MBL	BLANK	ug/l	0.268411	0.006758615	1
03-12116-03	03-12116	03	KPA_LIQ	TOTAL U	1	Duratek	DUP	HG7-1	ug/l	1.302678	0.02750463	1
03-12116-04	03-12116	04	KPA_LIQ	TOTAL U	1	Duratek	DO	HG7-1	ug/l	1.418417	0.03240396	1
03-12116-05	03-12116	05	KPA_LIQ	TOTAL U	1	Duratek	TRG	HF6-1	ug/l	2.037981	0.05219987	1
Mike Ginzel Initial Calcs.												
Water												
Limit 10cfr20 appendix B												
uCi/ml water	ml/l	uCi/l	C/uCi	C/l	Ci/gram SA 10cfr20	g/l	ug/g	ug/l				
3.00E-07	1000	0.0003	1.00E-06	3.00E-10	6.77E-07	4.43E-04	1.00E+06	4.43E+02				
EPA recommended level for drinking water below												
30ug/l												

Generic Data Report 03-12116

LSCKnown	LCSPercentR	LCSFlag	RPDFlag	MDAFlag	BlankFlag	SampleDate	AliquotNetEqvt	RadioPercentRec	GravPercentRec	MeanPercentRec	SAF	Sept0Date	Sept1Date	CountDate	HalfLife_days	Detector	Carrier	CountTime	Counts	BkgCPM	Eff	UserName	ModDate
10	104.0573	OK		OK		12/29/2003	1		0	100.1835				12/30/2003	0								12/31/200
				OK	OK	12/29/2003	1		0	100.1835				12/30/2003	0								12/31/200
			OK	OK		12/24/2003	1		0	100.1835				12/30/2003	0								12/31/200
				OK		12/24/2003	1		0	100.1835				12/30/2003	0								12/31/200
				OK		12/24/2003	1		0	100.1835				12/30/2003	0								12/31/200



Ex 6

Special Environmental Samples Results after UF6 Release 12/22/03

Sample Results Uranium

Sample Collection Date: 12/24/2003
 Sample Analysis Date: 01/04/2003

Collected by: MB
 Analysis by: MB

Location	Sample	Washed			Unwash		
		ppm U	Weight	ppmU/Sam.	ppmU	weight	ppmu/sam.
Special Sample	SPV1	0.06155	5.00	0.31	0.213	5.01	1.06
Reiniking Property	V5	0.03146	5.00	0.16	0.439	5.04	2.17
Metropolis Airport	V6	0.30814	5.01	1.54	0.344	5.01	1.72
Maple Grove School	V7	0.16664	5.02	0.83	0.164	5.00	0.82
Nearest Residence	V-NR7	0.81422	5.03	4.05	0.636	5.00	3.18

Sample	Soil		
	ppm U	Weight	ppmU/Sam.
SP-1	0.061	2.0338	0.750

S5	0.098	2.0031	1.223
S6	0.097	2.0212	1.200
S7	0.063	2.0119	0.783

S-NR7	0.321	2.005	4.002
-------	-------	-------	-------

Lindsay Lake	W6	0.002
Oak Glenn Lake	W7	5.8E-05

M6	0.051	2.0361	0.626
M7	0.048	2.0038	0.599

Effluent Ditch - Sediment only	E.D.0700		#DIV/0!
	E.D.1400		#DIV/0!

Note: SP was taken between bear creek ditch and S. beck ditch at cross road before you get to New Columbia ditch. This sample not usually taken with 6 mo. Environmentals. Down wind sample.

S= Soil
 V= Vegetation
 W= Water
 M= Mud

Semi Annual Environmental Samples Results

Sample Analysis Date: 09/16/2003

Analysis by: BB

Location	Sample	ppm U results	Sample Weight	Results ppmU/Sam.
Lamb Farm	V1	0.227	5.01	1.13
Brubaker Farm	V2	0.178	5.11	0.87
Texaco Station	V3	0.709	5.01	3.54
IL Power Equip. Station	V4	0.182	5.01	0.91
Reinlking Property	V5	0.228	5.02	1.14
Metropolis Airport	V6	0.123	5.03	0.61
Maple Grove School	V7	0.217	5.02	1.08
N of FMB	V8	0.687	5.03	3.42
W of FMB	V9	0.24	5.01	1.20
S of FMB	V10	0.145	5.01	0.72
NW of FMB	V11	0.296	5.03	1.47
E of FMB	V12	0.612	5.05	3.03
N of FMB	V13	0.985	5.00	4.92
Nearest Residence	V-NR7	0.323	5.02	1.61

Lamb Farm Lake	W1	0.0009
Ohio River Opposite Plant Site	W2	0.0004
Plant Site Outflow	W3	0.014
Brookport Dam	W4	0.0004
Joppa Boat Ramp	W5	0.0014
Lindsay Lake	W6	0.0006
Oak Glenn Lake	W7	0.0003

Sample	ppm U results	Sample Weight	Results ppmU/Sam.	
S1	0.1	2.0165	1.240	
S2	0.07	2.0342	0.860	
S3	0.05	2.0184	0.619	
S4	0.133	2.0141	1.651	
S5	0.063	2.0009	0.787	
S6	0.066	2.0052	0.823	
S7	0.031	2.0119	0.385	
S8	1.029	2.0404	12.608	
S9	0.373	2.0013	4.659	
S10	0.359	2.0382	4.403	
S11	0.735	2.0245	9.076	
S12	0.213	2.0498	2.598	
S13	0.66	2.006	8.225	
S-NR7	0.445	2.0088	5.538	
M1	0.054	2.0203	0.668	
M2	0.014	2.0049	0.175	
M3	0.042	2.0023	0.524	
M4	0.025	2.0248	0.309	
M5	0.036	2.0128	0.447	
M6	0.066	2.0145	0.819	
M7	0.185	2.0113	2.300	
Effluent Ditch - Sediment only	E.D.0700	0.543	2.011	6.750
	E.D.1400	25.589	2.03	315.135

Note: _____

S= Soil
 V= Vegetation
 W= Water
 M= Mud

Copy: H.P. Supervisor, H.P. Supervisor of Technicians, File

