Environmental Impact Assessment

Document Stage: Draft Project Number: 51077-003

March 2020

MLD: Greater Malé Waste-to-Energy ProjectWaste to Energy Plant PART F

Prepared by Ministry of Environment of the Republic of Maldives for the Asian Development Bank.

Figure 19: Building Coordinates

North West: 4°10'58.73"N, 73°26'11.51"E
North East: 4°10'58.87"N, 73°26'22.20"E
South West: 4°10'50.71"N, 73°26'9.74"E
South East: 4°10'48.09"N, 73°26'20.87"E

	#	X Coord [m]	Y Coord [m]
>	1	326463.89	462526.01
	2	326793.57	462529.66
	3	326751.00	462198.00
	4	326408.81	462279.78

If stacks for new or existing major sources are found to be less than the height defined by EPA's refined formula for determining GEP height, then air quality impacts associated with cavity or wake effects due to the nearby building structures should be determined. (EPA 1986)





Figure 21: Building Area of WTE Plant

GEP STACK HEIGHT = H + 1.5L

In EPA's refined formula for determining GEP stack height, consider Building Downwash for point sources that are within the GEP 5L Area of Influence of a building. For point sources within the GEP 5L Area of Influence, Building Downwash information (direction-specific building heights and widths) should be included in your ISC3 modeling project. Using AERMOD View, you can easily calculate these direction-specific building heights and widths. For regulatory applications, a building is considered sufficiently close to a stack to cause wake effects when the distance between the stack and the nearest part of the building is less than or equal to five (5) times the lesser of the building height or the projected width of the building.

DISTANCE FROM STACK-BLDG <= 5L

For building downwash analyses with direction-specific building dimensions, wake effects are assumed to occur if the stack is within a rectangle composed of two lines perpendicular to the wind direction, one at 5L downwind of the building and the other at 2L upwind of the building and by two lines parallel to the wind direction, each at 0.5L away from each side of the building, as shown below. L is the lesser of the height and projected width of the building for the particular direction sector. This rectangular area has been termed a **Structure Influence Zone (SIZ)**.

Figure 22: AERMOD Source Influence Zones of buildings to plume dispersion

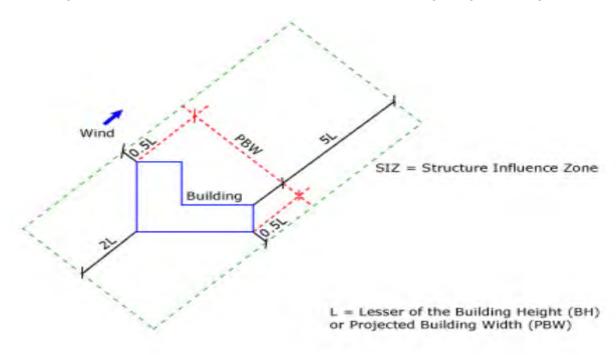


Figure 23: Building Source Influence Zones of buildings to plume dispersion



	Stack-	Building	Prelimina	ry*
Stack	Stack	Base Elevation	GEP**	GEP Stack
Name	Height	Differences	EQN1	Height Value

S1	50.00	0.00	0.00	75.00	75.00
S2	50.00	0.00	0.00	75.00	75.00
GSSTACK	10.20	0.00	0.00	75.00	75.00

Results are based on Determinants 1 & 2 on pages 1 & 2 of the GEP Technical Support Document. Determinant 3 may be investigated for dditional stack height credit. Final values result after Determinant 3 has been taken into consideration. ** Results were derived from Equation 1 on page 6 of GEP Technical Support Document. Values have been adjusted for any stack-building base elevation differences. Note: Criteria for determining stack heights for modeling emission limitations for a source can be found in Table 3.1 of the GEP Technical Support Document.

Table 3: AERMOD BPIP

Building Downwash Information

BPIP output is in meters

BFIF Output is in meters										
SO BUILDHGT S1	30	30	30	30	30	30				
SO BUILDHGT S1	30	30	30	30	30	30				
SO BUILDHGT S1	30	30	30	30	30	30				
SO BUILDHGT S1	30	30	30	30	30	30				
SO BUILDHGT S1	30	30	30	30	30	30				
SO BUILDHGT S1	30	30	30	30	30	30				
SO BUILDWID S1	351.19	381.98	412.65	430.78	435.82	427.53				
SO BUILDWID S1	406.15	372.43	331.04	333.25	366.41	408.78				
SO BUILDWID S1	438.74	455.36	458.15	447.02	422.31	384.76				
SO BUILDWID S1	351.19	381.98	412.65	430.78	435.82	427.53				
SO BUILDWID S1	406.15	372.43	331.04	333.25	366.41	408.78				
SO BUILDWID S1	438.74	455.36	458.15	447.02	422.31	384.76				
SO BUILDLEN S1	334.01	366.41	408.78	438.74	455.36	458.15				
SO BUILDLEN S1	447.02	422.31	384.76	351.97	381.98	412.65				
SO BUILDLEN S1	430.78	435.82	427.62	406.43	372.88	331.66				
SO BUILDLEN S1	334.01	366.41	408.78	438.74	455.36	458.15				
SO BUILDLEN S1	447.02	422.31	384.76	351.97	381.98	412.65				
SO BUILDLEN S1	430.78	435.82	427.62	406.43	372.88	331.66				
SO XBADJ S1	-233.2	-225.5	-232.06	-231.58	-224.05	-209.72				
SO XBADJ S1	-189.02	-162.58	-131.19	-95.82	-89.99	-92.92				
SO XBADJ S1	-93.02	-90.3	-84.83	-76.78	-66.41	-57.66				
SO XBADJ S1	-100.82	-140.91	-176.72	-207.16	-231.31	-248.43				
SO XBADJ S1	-258	-259.73	-253.57	-256.15	-291.99	-319.73				
SO XBADJ S1	-337.76	-345.52	-342.79	-329.64	-306.48	-274				
SO YBADJ S1	-79.78	-101	-113.41	-122.37	-127.61	-128.94				
SO YBADJ S1	-126.29	-119.81	-107.86	-65.81	-42.29	-27.67				
SO YBADJ S1	-12.21	3.63	19.35	34.49	48.58	61.19				

Livironmentat impact Assessment (Liz	,					-
SO YBADJ S1	79.78	101	113.41	122.37	127.61	128.94
SO YBADJ S1	126.29	119.81	107.86	65.81	42.29	27.67
SO YBADJ S1	12.21	-3.63	-19.35	-34.49	-48.58	-61.19
SO BUILDHGT S2	30	30	30	30	30	30
SO BUILDHGT S2	30	30	30	30	30	30
SO BUILDHGT S2	30	30	30	30	30	30
SO BUILDHGT S2	30	30	30	30	30	30
SO BUILDHGT S2	30	30	30	30	30	30
SO BUILDHGT S2	30	30	30	30	30	30
SO BUILDWID S2	351.19	381.98	412.65	430.78	435.82	427.53
SO BUILDWID S2	406.15	372.43	331.04	333.25	366.41	408.78
SO BUILDWID S2	438.74	455.36	458.15	447.02	422.31	384.76
SO BUILDWID S2	351.19	381.98	412.65	430.78	435.82	427.53
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SO BUILDLEN S2	447.02	422.31	384.76	351.97	381.98	412.65
SO BUILDLEN S2	430.78	435.82	427.62	406.43	372.88	331.66
SO XBADJ S2	-234.41	-227.89	-235.56	-236.08	-229.42	-215.79
SO XBADJ S2	-195.6	-169.47	-138.19	-102.71	-96.57	-98.98
SO XBADJ S2	-98.38	-94.8	-88.33	-79.18	-67.62	-57.66
SO XBADJ S2	-99.6	-138.51	-173.22	-202.66	-225.95	-242.37
SO XBADJ S2	-251.42	-252.84	-246.57	-249.26	-285.41	-313.67
SO XBADJ S2	-332.4	-341.02	-339.29	-327.25	-305.26	-274
SO YBADJ S2	-72.88	-94.42	-107.34	-117.01	-123.11	-125.44
SO YBADJ S2	-123.9	-118.59	-107.86	-67.02	-44.69	-31.17
SO YBADJ S2	-16.71	-1.73	13.29	27.91	41.68	54.19
SO YBADJ S2	72.88	94.42	107.34	117.01	123.11	125.44
SO YBADJ S2	123.9	118.59	107.86	67.02	44.69	31.17
SO YBADJ S2	16.71	1.73	-13.29	-27.91	-41.68	-54.19
SO BUILDHGT GSSTACK	30	30	30	30	30	30
SO BUILDHGT GSSTACK	30	30	30	30	30	30
SO BUILDHGT GSSTACK	30	30	30	30	30	30
SO BUILDHGT GSSTACK	30	30	30	30	30	30
SO BUILDHGT GSSTACK	30	30	30	30	30	30
SO BUILDHGT GSSTACK	30	30	30	30	30	30
SO BUILDWID GSSTACK	351.19	381.98	412.65	430.78	435.82	427.53
SO BUILDWID GSSTACK	406.15	372.43	331.04	333.25	366.41	408.78
SO BUILDWID GSSTACK	438.74	455.36	458.15	447.02	422.31	384.76
SO BUILDWID GSSTACK	351.19	381.98	412.65	430.78	435.82	427.53
SO BUILDWID GSSTACK	406.15	372.43	331.04	333.25	366.41	408.78
SO BUILDWID GSSTACK	438.74	455.36	458.15	447.02	422.31	384.76
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SO BUILDLEN GSSTACK	430.78	435.82	427.62	406.43	372.88	331.66

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SO BUILDLEN GSSTACK	334.01	366.41	408.78	438.74	455.36	458.15
SO BUILDLEN GSSTACK	447.02	422.31	384.76	351.97	381.98	412.65
SO BUILDLEN GSSTACK	430.78	435.82	427.62	406.43	372.88	331.66
SO XBADJ GSSTACK	-225.28	-220.93	-230.99	-234.03	-229.96	-218.9
SO XBADJ GSSTACK	-201.19	-177.36	-148.15	-114.44	-109.7	-113.12
SO XBADJ GSSTACK	-113.1	-109.65	-102.86	-92.95	-80.21	-68.69
SO XBADJ GSSTACK	-108.73	-145.47	-177.79	-204.71	-225.41	-239.26
SO XBADJ GSSTACK	-245.83	-244.94	-236.61	-237.54	-272.28	-299.53
SO XBADJ GSSTACK	-317.68	-326.17	-324.76	-313.48	-292.67	-262.97
SO YBADJ GSSTACK	-61.16	-81.29	-93.2	-102.29	-108.26	-110.91
SO YBADJ GSSTACK	-110.13	-106	-96.83	-57.89	-37.73	-26.6
SO YBADJ GSSTACK	-14.66	-2.27	10.18	22.32	33.79	44.23
SO YBADJ GSSTACK	61.16	81.29	93.2	102.29	108.26	110.91
SO YBADJ GSSTACK	110.13	106	96.83	57.89	37.73	26.6
SO YBADJ GSSTACK	14.66	2.27	-10.18	-22.32	-33.79	

8.4 INPUT DATA IN THE DISPERSION MODEL (SOURCE PATHWAY)

The following parameters have been provided the ADM:

Table 4: Input Data for AERMOD Model Run 2 X 250 T/YR MW WTE Boiler and 0.8 MW Diesel Generator set

	Capacity	Х	Υ	Stack	Stack	VFR	Stack	Stack	Stack Ht.
APSE	T/day	Long	Lat	Temp.	Temp.	(Ncm/sec)	Diam	Area	(m)
				°C	(K)		(m)	(m²)	
Boiler 1	250	4.183004N;	73.437155	144	417	16.07	1.5	1.76715	50.00
			E						
Boiler 2	250			144	417	16.07	1.5	1.76715	50.00
Genset	0.8 MW	4.182394	73.43737	400	673	3.4638889	0.5	0.13	10.2
1									

UTM Coordinates (Boiler): 326540.00 N 462472.00 E UTM Coordinates (Generatorset): 326556.96N 462460.97 E

Table 5: DESIGN EMISSION CONCENTRATION

TD /TD	PM10	CO	N0x	SOx	Hg	HCI	Hf	NH3	DF			
	mg/Nm3											
5.00	0.50	50.00	150.00	50.00	0.03	10.00	1.00	10.00	0.10			
5.00	0.50	50.00	150.00	50.00	0.03	10.00	1.00	10.00	0.10			
79.95	nd	300	319.968	nd	nd	nd	nd	nd	nd			

Table 6: DESIGN EMISSION STRENGTH

TD /TD	PM10	CO	N0x	SOx	Hg	HCL	Hf	NH3	DF		
g/sec											
0.0804	0.0080	0.8036	2.4107	0.8036	0.0005	0.1607	0.0161	0.1607	0.0016		
0.0804	0.0080	0.8036	2.4107	0.8036	0.0005	0.1607	0.0161	0.1607	0.0016		
0.2769	nd	1.0392	1.1083	nd	nd	nd	nd	nd	nd		

9. RESULTS OF DISPERSION MODEL RUN

Dispersion model results are presented according to rankings of peak values of ground level concentrations. Below are summary of results for highest GLCs for the Partidulates, Metals and Gaseous Emissions. Results are presented within the 4 km by 4 km dimension graphical presentation Distance (X axis) and Concentration ug/Ncm (Y Axis). Maximum straight line domain is 4000 m (4 km). Raw data of model results are in output files following Nomenclatures: (x=distance from source, km), conc=ground-level centerline concentration, ug/m3), (sigmay=dispersion coefficient in Y direction, dimensionless), (sigmaz=dispersion coefficient in Z direction, dimensionless), (xf=distance to final plume rise, km), (h=plume height, m). See Table 7 Figures 24 to 48.

Table 7: Summary Maximum Ground Level Concentration - AERMOD

MAXIMUM G	ROUND LEV	EL CONCE	NTRATION				Standards Luft)	USEPA	WHO Air Quality Guidelines	% of the Applicable Standards
Parameters	Ave.Time	Conc (ug/Nm3)	Deposition (g/m2)	Х	Υ	Conc (ug/Nm³)	Deposition (g/m2)	Conc (ug/Nm³)	Conc (ug/Nm³)	%
Total Dust	1 hour	7.60628	0.00754	327040	462672	-	-	- (a.g,)	-	-
Total Dust	24 hour	3.18863	0.03805	327140	462572	_	-	-	-	_
Total Dust	1 year	0.34134	0.43994	326840	462572	-	0.35	-	-	
PM10	1 hour	0.10288	0.00037	326640	462472	-	-	-	20	0.51
PM10	24 hour	0.02844	0.00078	326640	462472	50	-	150	50	0.06
PM10	1 year	0.0025	0.02508	327240	462572	40	-	50	20	0.01
SO2	1 hour	10.3398	-	326640	462472	350	-	212	-	4.88
SO2	24 hour	2.85793	-	326640	462472	125	-	365	20	14.29
SO2	1 year	0.25302	-	327240	462572	50	-	79	-	0.32
NO2(NOx)	1 hour	48.91013	-	326640	462472	200	-	100 ppb	200	24.46
NO2(NOx)	24 hour	14.16085	-	326640	462472	-	-	-		-
NO2(NOx)	1 year	2.1	-	324540	460472	40	-	53 ppb	40	5.25
Hg	1 hour	0.00643	-	326640	462472	-	-	-	-	-
Hg	24 hour	0.00178	-	326640	462472	-	1	-	-	-
Hg	1 year	0.00157	-	327240	462572	-	0.05	-	-	-
NH3	1 hour	2.06667	-	326640	462472	-	-	-	-	-
NH3	24 hour	0.57123	-	326640	462472	-	-	-	-	-
NH3	1 year	0.00147	-	326340	461872	-	-	-	-	-
HCI	1 hour	2.06667	-	326540	462472	-	-	-	-	-
HCI	24 hour	0.57123	-	326540	462472	-	-	-	-	-
HCI	1 year	0.00147	-	324540	460472	-	-	-	-	-
Hf	1 hour	0.20705	-	326640	462472	-	-	-	-	-
Hf	24 hour	0.05723	-	326640	462472	-	-	-	-	-

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MAXIMUM GI	ROUND LEV	EL CONCEN	ITRATION			German Standards (TA Luft)		USEPA	WHO Air Quality Guidelines	% of the Applicable Standards
Hf	1 year	0.00015	-	324540	460472	-	-	-	-	-
D/F	1 hour	0.02058	-	326640	462472	-	-	-	-	-
D/F	24 hour	0.00569	-	326640	462472	-	-	-	-	-
D/F	1 year	0.00002	-	324540	460472	1	-	-	-	1
Sum of Metals (Sb) ¹	1 hour	1.31607	-	326440	462172	1	-	-	-	1
Sum of Metals (Sb) ¹	24 hour	0.49540	-	326440	462572	-	-	-	-	-
Sum of Metals (Sb) ¹	1 year	0.09818	-	326440	462472	-	-	-	-	-
Sum of Metals (As) ²	1 hour	0.13161	-	326440	462172	-	-	-	-	-
Sum of Metals (As) ²	24 hour	0.04954	-	326440	462572	-	-	-	-	-
Sum of Metals (As) ²	1 year	0.00982	-	326440	462472	-	-	-	-	-
Sum of Metals (TI) ³	1 hour	0.13161	-	326440	462172	-	-	-	-	-
Sum of Metals (TI) ³	24 hour	0.04954	-	326440	462572	-	-	-	-	-
Sum of Metals (TI) ³	1 year	0.00982	-	326440	462472	-	-	-	-	-

¹Sum of metals: Antimony, Chromium, Copper, Manganese, Vanadium, in, Lead, Cobalt, Nickel ²Sum of metals: Arsenic / cadmium and its compounds (expressed as As and Cd), benzo (a) pyrene, water-soluble cobalt compounds (expressed as Co), chromium (VI) compounds (expressed as Cr) ³Sum of metals: Thallium and its compounds and cadmium



Figure 24: Location of Maximum Predicted Ground Level Concentration

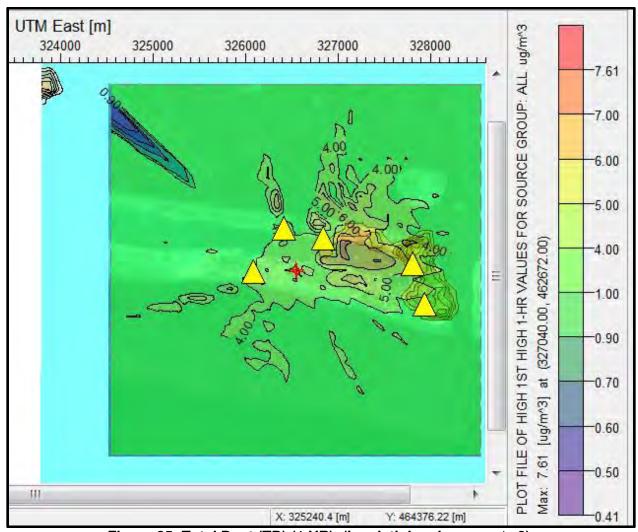


Figure 25: Total Dust (TD) (1 HR) (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

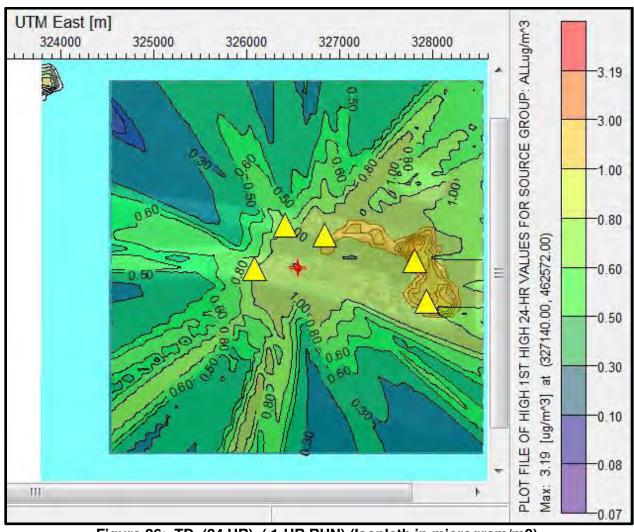


Figure 26: TD (24 HR) (1-HR RUN) (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

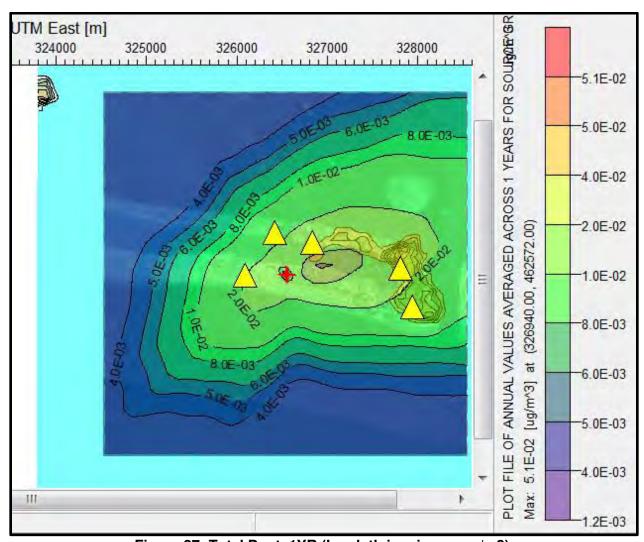


Figure 27: Total Dust 1YR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

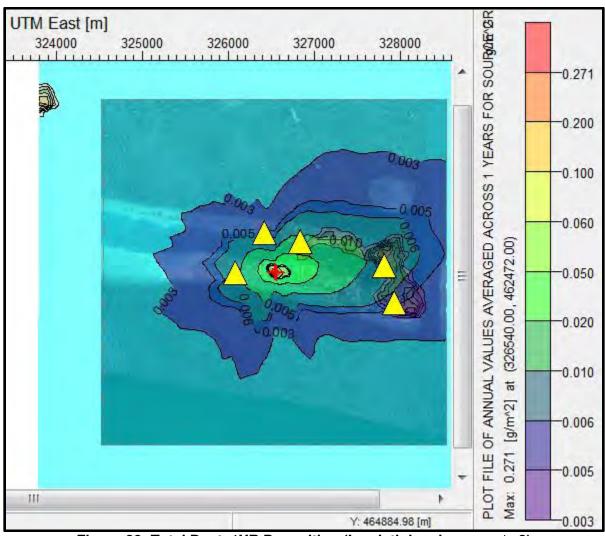


Figure 28: Total Dust 1YR Deposition (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

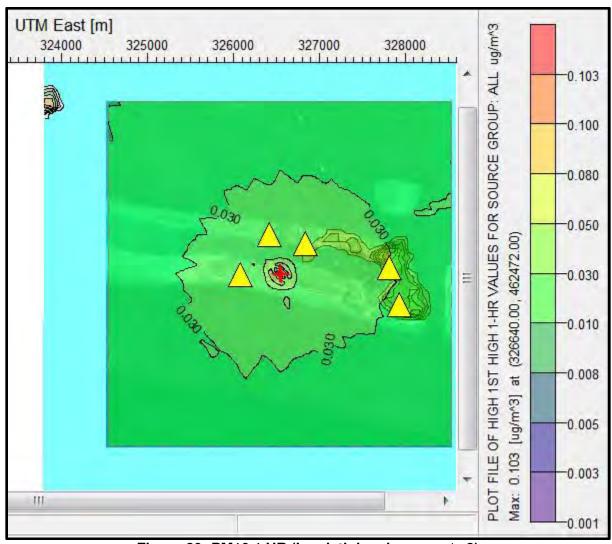


Figure 29: PM10 1 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

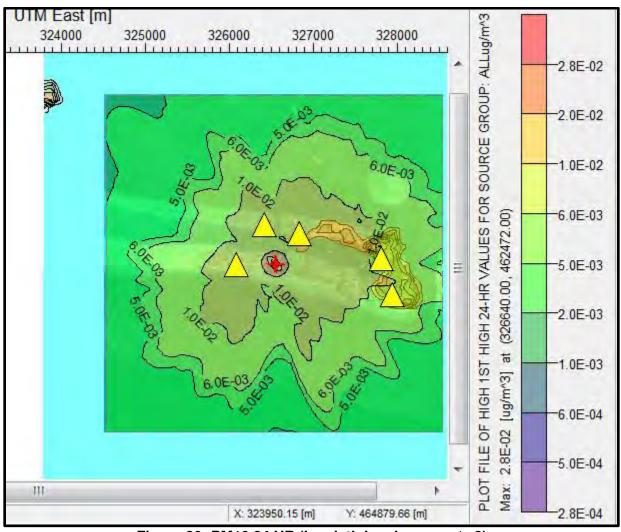


Figure 30: PM10 24 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitrive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

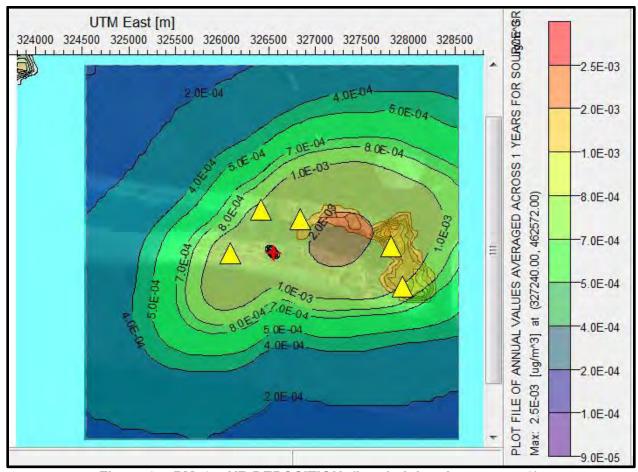


Figure 31: PM10 1 YR DEPOSITION (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitrive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

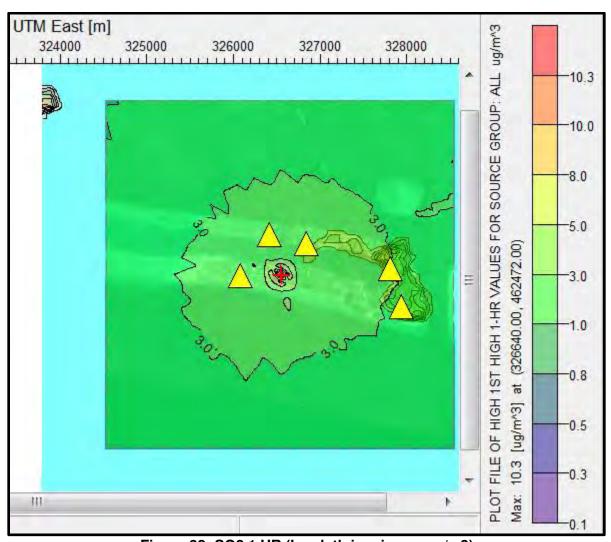


Figure 32: SO2 1 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

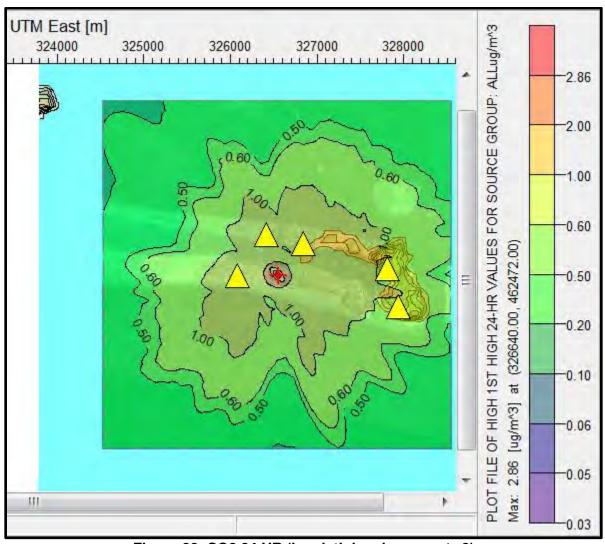


Figure 33: SO2 24 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

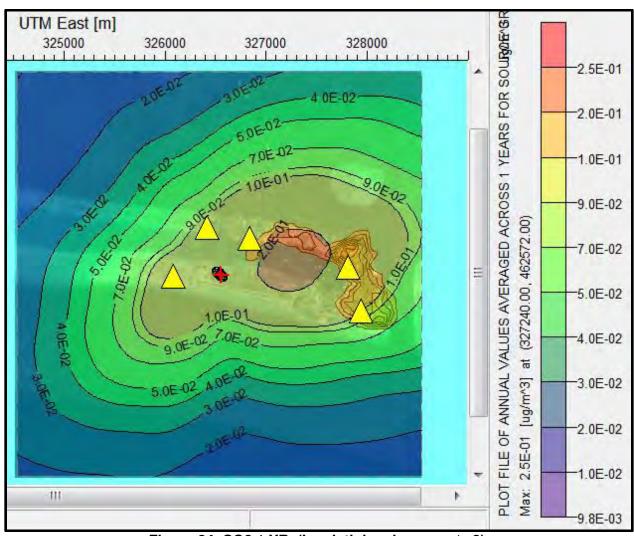


Figure 34: SO2 1 YR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

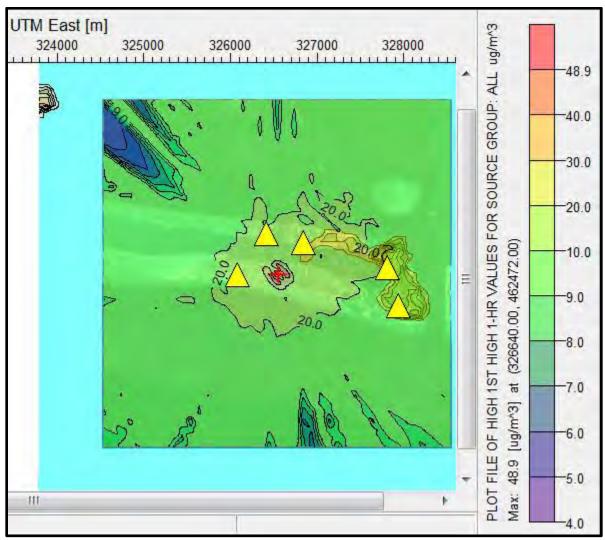


Figure 35: NO2 1 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

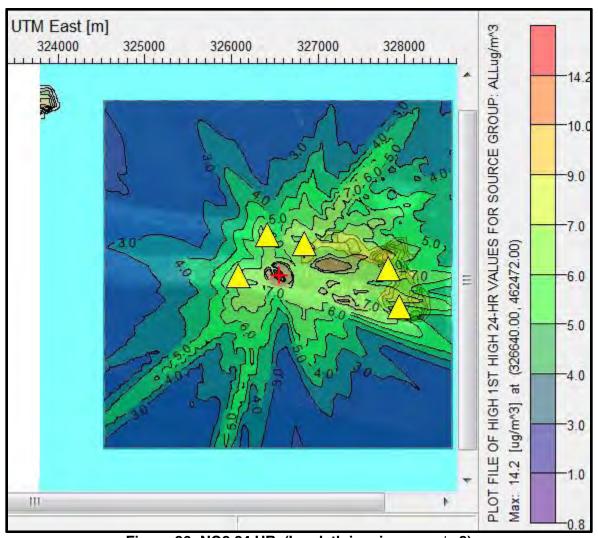


Figure 36: NO2 24 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

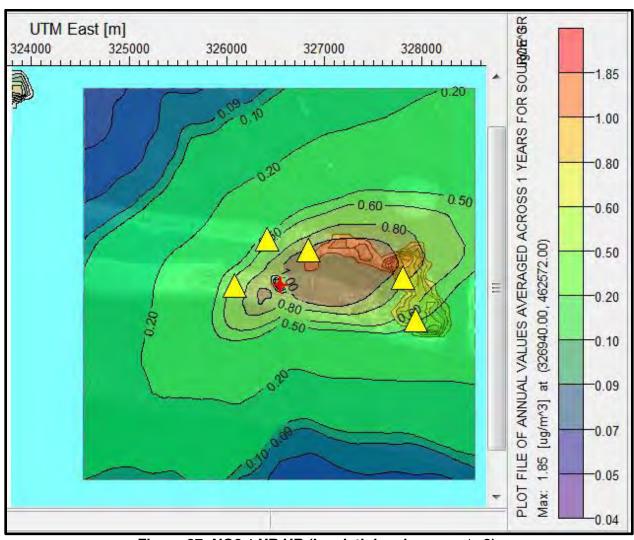


Figure 37: NO2 1 YR HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

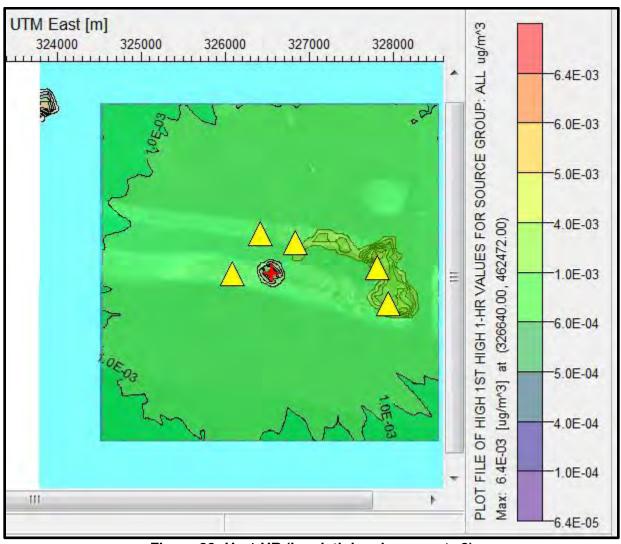


Figure 38: Hg 1 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

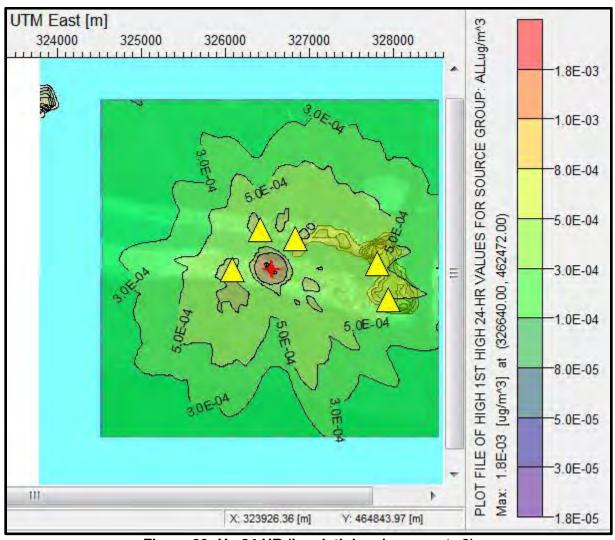


Figure 39: Hg 24 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

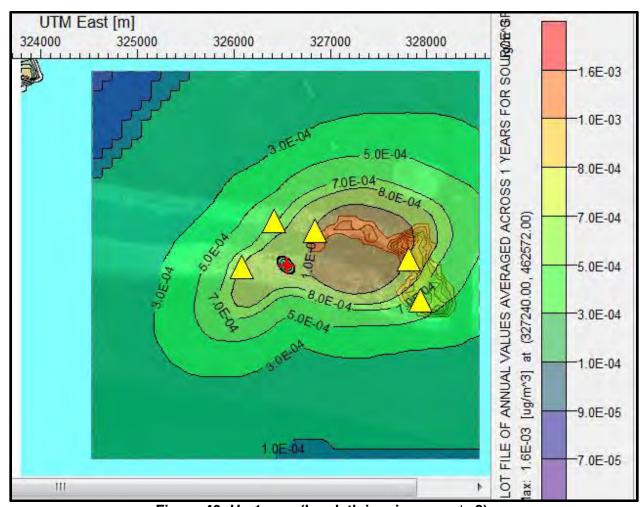


Figure 40: Hg 1 year (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

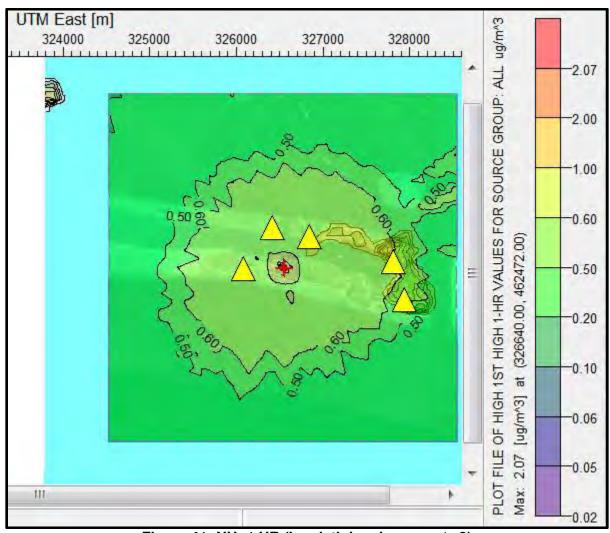


Figure 41: NH₃ 1 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

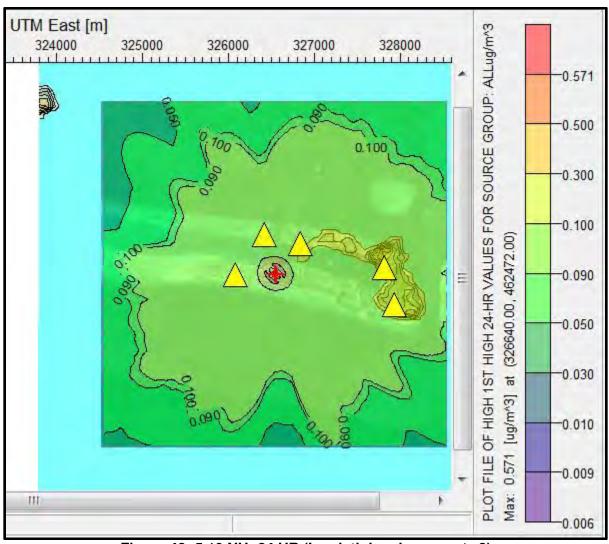


Figure 42: 5.19 NH₃ 24 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

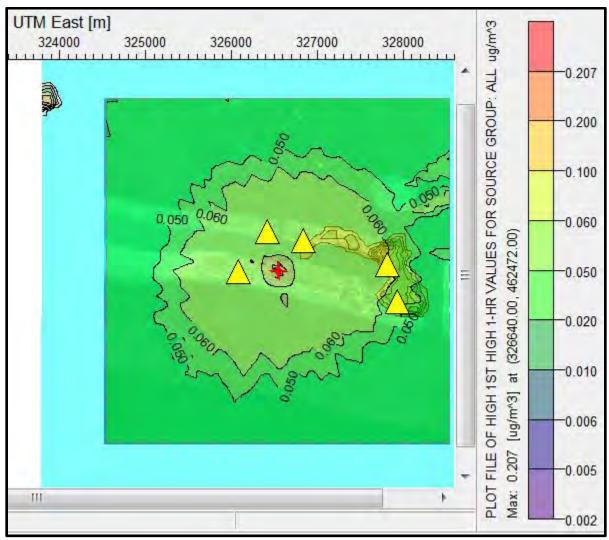


Figure 43: HF 1 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

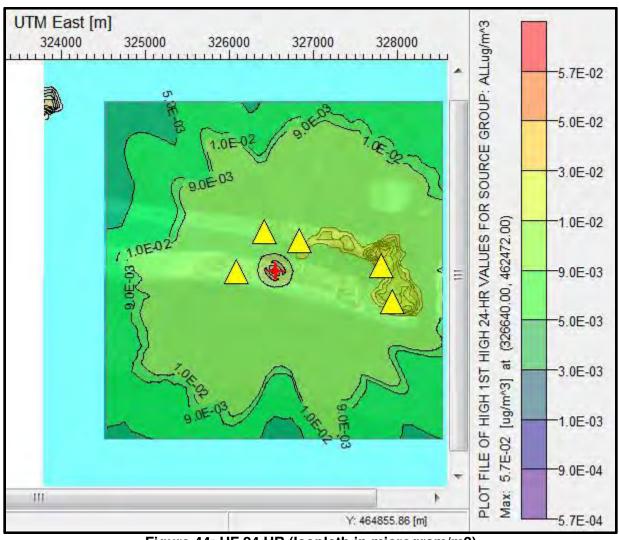


Figure 44: HF 24 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

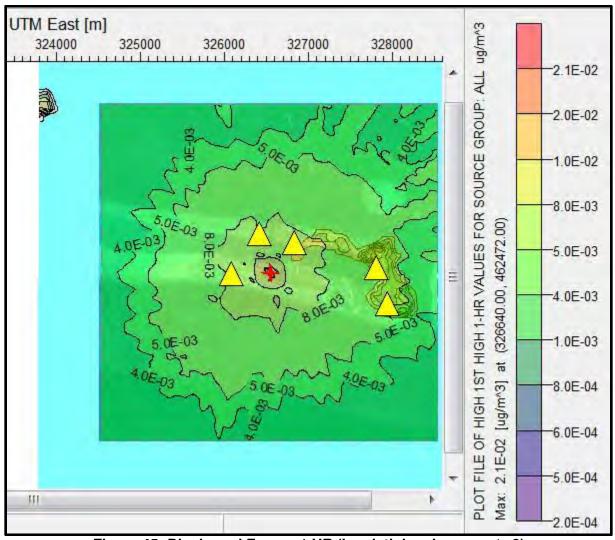


Figure 45: Dioxin and Furans 1 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

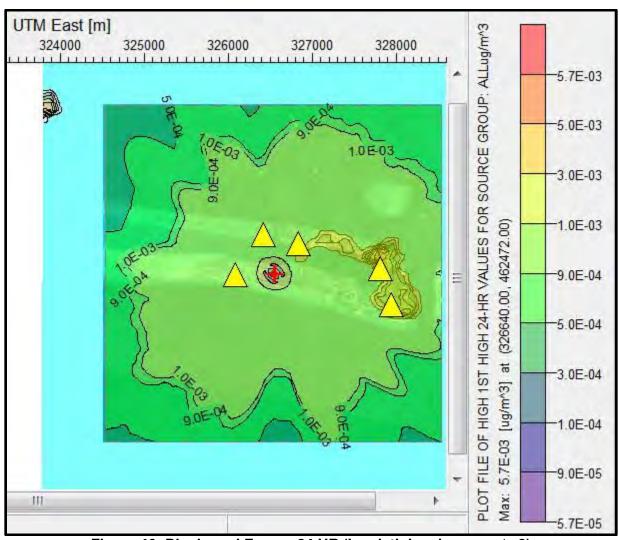


Figure 46: Dioxin and Furans 24 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

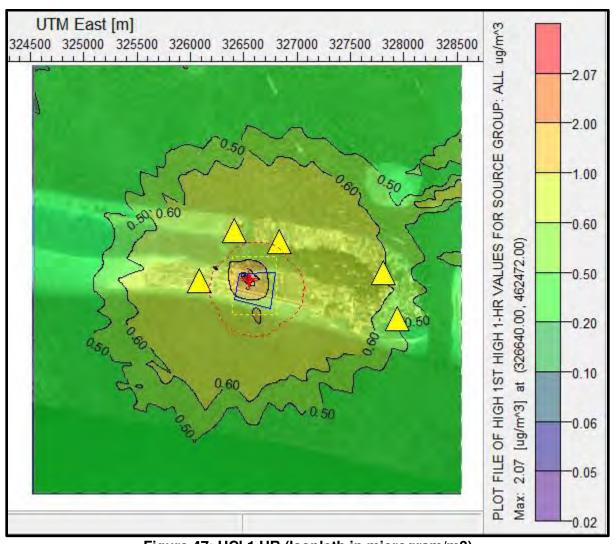


Figure 47: HCl 1 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

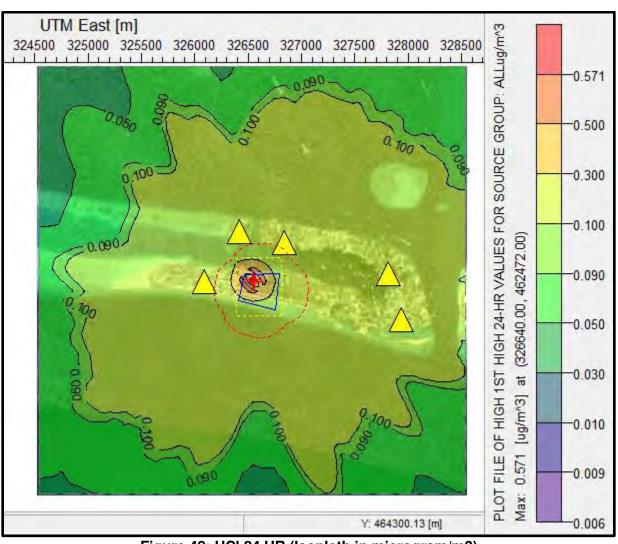


Figure 48: HCl 24 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

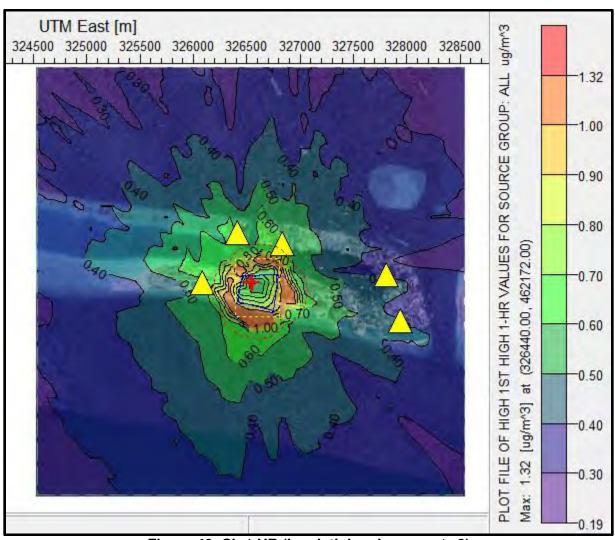


Figure 49: Sb 1 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

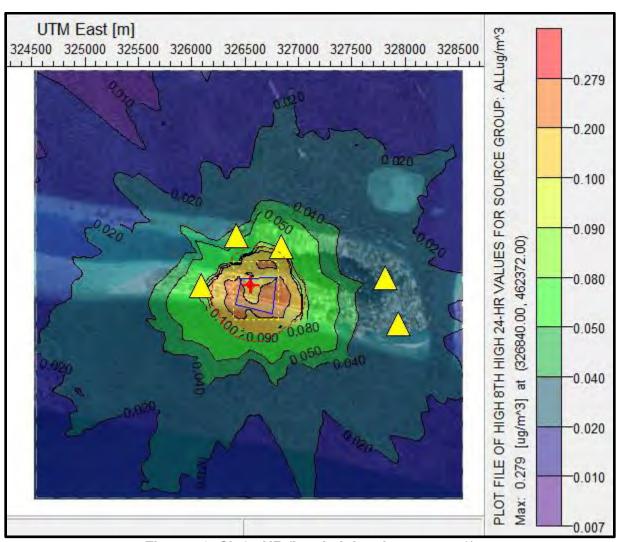


Figure 50: Sb 24 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

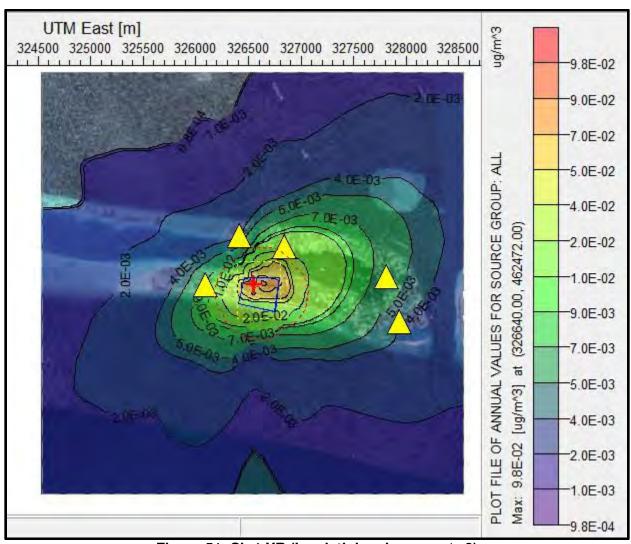


Figure 51: Sb 1 YR (Isopleth in microgram/m3)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

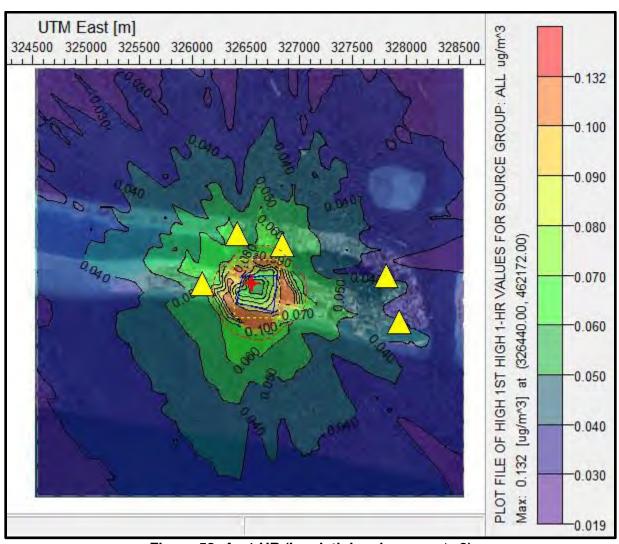


Figure 52: As 1 HR (Isopleth in microgram/m3)

LEGEND: Yellow Triangles refer to identified ASRs Area Sensitive Receptor (ASRs)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

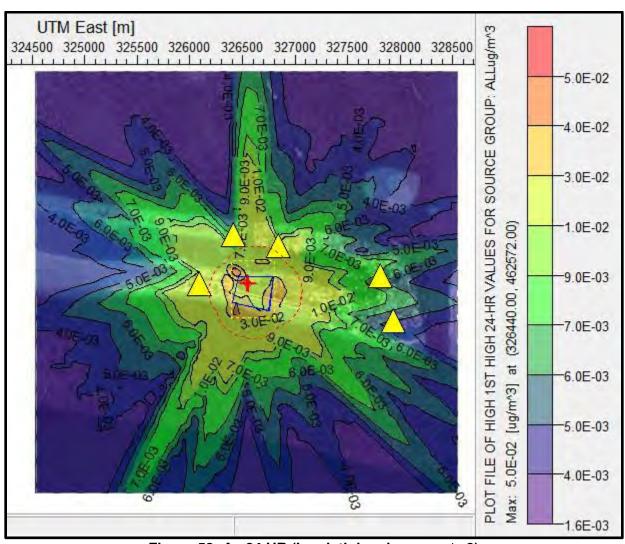


Figure 53: As 24 HR (Isopleth in microgram/m3)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

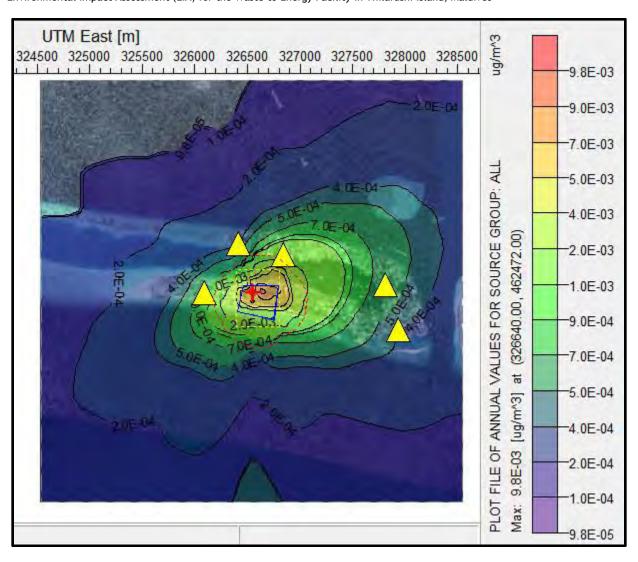


Figure 54: As 1 YR (Isopleth in microgram/m3)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

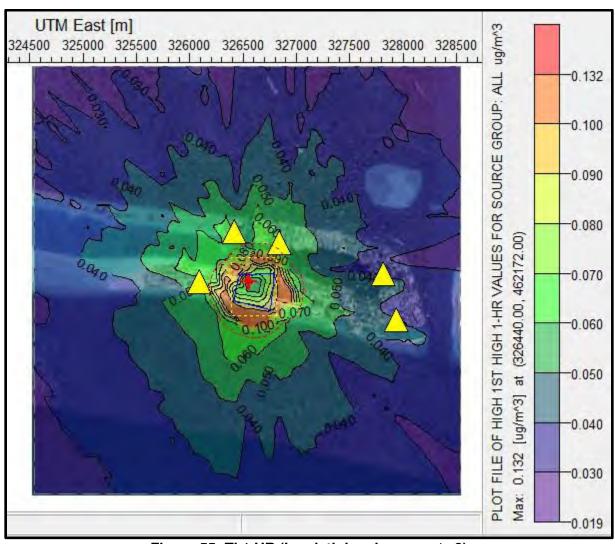


Figure 55: TI 1 HR (Isopleth in microgram/m3)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

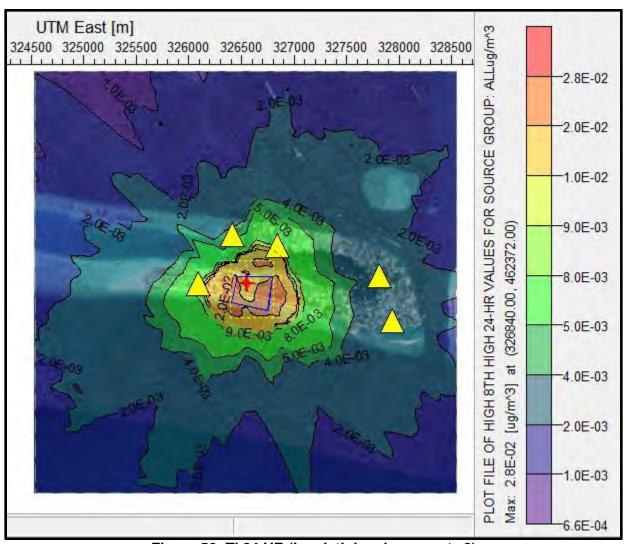


Figure 56: TI 24 HR (Isopleth in microgram/m3)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

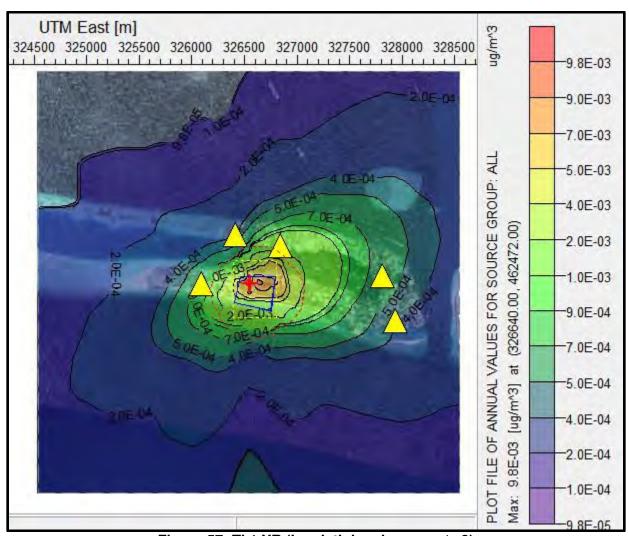


Figure 57: TI 1 YR (Isopleth in microgram/m3)

	Long	Lat
ASR1	327812	462536
ASR2	327938	462105
ASR3	326839	462822
ASR4	326087	462455
ASR5	326416	462929

10. DISCUSSION OF RESULTS

10.1 AERMOD VER.9.1 MODEL RUN USING TIER 3 MET DATA (MALDIVES METEOROLOGY)

Figures 24 to 48 are the results of the predictive peak values of emission dispersion modeling presented in 2 dimensional graphs: 4000 m (4km) X 4000 m (4km). Dispersion model results are presented in 2-dimension graphical presentation Distance (X-axis) and Concentration ug/Ncm (Y-axis). Raw data of results are in output files presented in the following Nomenclature: (x=distance from source, km), conc=ground-level centerline concentration, ug/m3), (sigmay=dispersion coefficient in Y direction, dimensionless), (sigmaz=dispersion coefficient in Z direction, dimensionless), (xf=distance to final plume rise, km), (h=plume height, m).

10.2 TOTAL DUST (TD)

Predicted short term (1 hour) for controlled¹⁴ total dust (TD) maximum ground level concentrations is 7.60 ug/m3 located 280 meters ENE from the center of the domain. The 24 hour controlled total dust (TD) maximum ground level concentrations is 3.188 ug/m3 located 608 meters ENE from the center of the domain. Simulated concentrations for maximum ground level concentration for 1 hour total dust (TD) are generally very low. There is no available the Ambient Air Quality Standards for total dust in the Austal2000 Report. For the total dust (TD) deposition, AERMOD results shows 0.00754 g/m2 for 1 hour, 0.038505 g/m2 for 24 hr, and 0.43394 g/m2 for 1 year deposition. Deposition simulations are all below the TALuft precipitation limit of 0.35 g/m2-d. There are no applicable USEPA standards and WHO Air Quality Guideline Values. Reference center of the domain is the location of the Boiler Stack-1 at Universal Transverse Mercator (UTM) coordinates Easting 326540 and Northing 462472.

10.3 PARTICULATE MATTER 10 (PM-10)

Predicted short term (1 hour) for controlled particulate matter 10 (PM-10) maximum ground level concentrations is 0.102 ug/m3 located 100 meters E from the center of the domain. The 24-hour controlled PM-10 maximum ground level concentrations is 0.02844 ug/m3 located 100 meters E from the center of the domain. Simulated concentration for maximum ground level concentration for 24 hour PM10 is below the 35 ug/m3 TA Luft standards. There is no available Ambient Air Quality Standards for PM-10 in the Austal2000 report. For the PM-10 deposition, AERMOD results shows 0.00037 g/m2 for 1 hour, 0.0007g/m2 for 24 hour and 0.025 g/m2 for 1 year deposition. There is no TALuft limit for PM10 for 1-hour in the Austal2000 report. Results are below TA Luft and WHO Air Quality Guideline Values. There are no USEPA standards in ug/Nm3 unit, the values used are converted from parts per billion by volume (ppbv). The results show insignificant increase of 0.51% for 1-hour, 0.06% for 24-hour, and 0.01% for 1-year. Reference center of the domain is the location of the Boiler Stack-1 at UTM coordinates Easting 326540 and Northing 462472.

10.4 SULFUR DIOXIDE (SO2)

Predicted short term (1 hour) for controlled sulfur dioxide (SO₂) maximum ground level concentrations is 10.34 ug/m3 located 100 meters E from the center of the domain. The 24 hour controlled SO₂ maximum ground level concentrations is 2.85 ug/m3 located 100 meters E from the center of the domain. For 1-year averaging time, results of maximum concentration is 0.25302 ug/m3. Results for maximum ground level concentration for 1 hour, 24 hour and 1 year SO₂ are all below the TA Luft standards of 350 ug/m3 for 1 hour, 125 ug/m3 for 24 hr and 50 ug/m3 for 1 year respectively. There are no USEPA standards in ug/Nm3 unit, the values used are converted from parts per billion by volume (ppbv). The results show insignificant increase of 4.88% for 1-

¹⁴ Controlled emission parameters refer to post-air pollution control devices. For the WtE, each stack will include baghouse and electostatic precipitators.

hour, 14.29% for 24-hour, and 0.32% for 1-year. Reference center of the domain is the location of the Boiler Stack-1 at UTM coordinates Easting 326540 and Northing 462472.

10.5 NITROGEN OXIDES (NOX)

Predicted short term (1 hour) for controlled NO₂ maximum ground level concentrations is 48.91 ug/m3 located 100 meters E from the center of the domain. The 24 hour controlled NO₂ maximum ground level concentrations is 14.16 ug/m3 located 100 meters E from the center of the domain. For 1 year averaging time, results of maximum NO₂ concentration is 2.1 ug/m3. Simulated concentration for maximum NO₂ ground level concentration for 1 year is below the TA Luft standards of 40 ug/m3. There are no USEPA standards in parts per billion by volume (ppbv) therefore cannot be converted to ug/Nm3 unit. The results show increase of 24.46% for 1-hour, and 5.25% for 1-year if compared to WHO Air Quality Guidelines. Reference center of the domain is the location of the Boiler Stack-1 at UTM coordinates Easting 326540 and Northing 462472.

10.6 MERCURY (HG)

Predicted short term (1 hour) for controlled mercury (Hg) maximum ground level concentrations is 0.00643 ug/m3 located 100 meters E from the center of the domain. The 24 hour controlled Hg maximum ground level concentrations is 0.00178 ug/m3 located 100 meters E from the center of the domain. For 1 year averaging time, results of maximum concentration is 0.0057 ug/m3. There are no TA Luft, USEPA standards and WHO Air Quality Guideline Values. The results show insignificant increase of 0.18% for 24-hour and 3.14% for 1-year using TA Luft standards. Reference center of the domain is the location of the Boiler Stack-1 at UTM coordinates Easting 326540 and Northing 462472.

10.7 AMMONIA (NH3)

Predicted short term (1 hour) for controlled ammonia (NH₃) maximum ground level concentrations is 2.066 ug/m3 located 100 meters E from the center of the domain. The 24 hour controlled NH₃ maximum ground level concentrations is 0.57123 ug/m3 located 100 meters E from the center of the domain. There are no NH₃ TA Luft standards in the Austal2000 report. There are no USEPA standards and WHO Air Quality Guideline Values. Reference center of the domain is the location of the Boiler Stack-1 at UTM coordinates Easting 326540 and Northing 462472.

10.8 HYDROGEN CHLORIDE (HCL)

Predicted short term (1 hour) for controlled hydrogen chloride (HCI) maximum ground level concentrations is 2.066 ug/m3 located 100 meters E from the center of the domain. The 24 hour controlled NH₃ maximum ground level concentrations is 0.57123 ug/m3 located 100 meters E from the center of the domain. There are no HCI TA Luft standards in the Austal2000 report. There are no USEPA standards and WHO Air Quality Guideline Values. Reference center of the domain is the location of the Boiler Stack-1 at UTM coordinates Easting 326540 and Northing 462472.

10.9 HYDROGEN FLOURIDE (HFL)

Predicted short term (1 hour) for controlled hydrogen fluoride (HFI) maximum ground level concentrations is 2.066 ug/m3 located 100 meters E from the center of the domain. The 24 hour

controlled HFI maximum ground level concentrations is 0.57123 ug/m3 located 100 meters E from the center of the domain. There are no HFI TA Luft standards in the Austal2000 report. There are no USEPA standards and WHO Air Quality Guideline Values. Reference center of the domain is the location of the Boiler Stack-1 at UTM coordinates Easting 326540 and Northing 462472.

10.11 DIOXINS AND FURANS (D/F)

Predicted short term (1 hour) for controlled Dioxins and Furans maximum ground level concentrations is 0.0258 ug/m3 located 100 meters E from the center of the domain. The 24 hour controlled Dioxins and Furans maximum ground level concentrations is 0.00569 ug/m3 located 100 meters E from the center of the domain. There are no Dioxins and Furans TA Luft standards in the Austal2000 report. There are no USEPA standards and WHO Air Quality Guideline Values. Reference center of the domain is the location of the Boiler Stack-1 at UTM coordinates Easting 326540 and Northing 462472.

10.12 SUM OF HEAVY METALS AND THEIR COMPONENTS: ANTIMONY, CHROMIUM, COPPER, MANGANESE, VANADIUM, TIN, LEAD, COBALT, NICKEL (TA LUFT CLASS II AND III)

Predicted short term (1 hour) for the Sum of heavy metals and their components: antimony, chromium,copper, manganese, vanadium, tin, lead, cobalt, nickel (TA Luft class II and III) ground level concentrations is 1.3161 ug/m3 located 316 meters NorthNorthEast (NNE) from the center of the domain. The 24 hour controlled total sum of metals maximum ground level concentrations is 0.4954 ug/m3 located 141 meters NorthWest (NW) from the center of the domain. For 1 year averaging time, results of maximum concentration is 0.0982 ug/m3. Simulated concentrations for maximum ground level concentration for both 1, 24 hours & 1 Year averaging which are generally very low. Results are generally lower than US RSLs for combined 24 hr averaging for Cu, Vn,Cr and Mn of 0.152 ug/m3 and the 3 month NAAQS for Lead of 0.15 ug/m3. There is no available the Ambient Air Quality Standards for said metals in the Austal2000 Report. Reference center of the domain is the location of the Boiler Stack-1 at UTM coordinates Easting 326540 and Northing 462472.

10.13 ARSENIC / CADMIUM AND ITS COMPOUNDS (EXPRESSED AS AS AND CD), BENZO (A) PYRENE, WATER-SOLUBLE COBALT COMPOUNDS (EXPRESSED AS CO), CHROMIUM (VI) COMPOUNDS (EXPRESSED AS CR) (TA LUFT CLASS I)

Predicted short term (1 hour) for the Sum of heavy metals and their components: Arsenic / cadmium and its compounds (expressed as As and Cd), benzo (a) pyrene, water-soluble cobalt compounds (expressed as Co), chromium (VI) compounds (expressed as Cr) (TA Luft Class I) ground level concentrations is 0.13161 ug/m3 located 316 meters NorthNorthEast (NNE) from the center of the domain. The 24 hour controlled total sum of metals maximum ground level concentrations is 0.049 ug/m3 located 141 meters NorthWest (NW) from the center of the domain. For 1 year averaging time, results of maximum concentration is 0.00982 ug/m3. Simulated concentrations for maximum ground level concentration for both 1, 24 hours & 1 Year averaging which are generally very low. Results are generally lower than the available ESL for Arsenic of 3 ug/m3 and 0.067 ug/m3 for 1 year. There is no available the Ambient Air Quality Standards for said metals in the Austal2000 Report. Reference center of the domain is the location of the Boiler Stack-1 at UTM coordinates Easting 326540 and Northing 462472.

10.14 THALLIUM AND ITS COMPOUNDS (TA LUFT CLASS I) CADMIUM

Predicted short term (1 hour) for the Sum of heavy metals and their components: Thallium and its compounds (TA Luft class I) cadmium ground level concentrations is 0.13161 ug/m3 located 316 meters NorthNorthEast (NNE) from the center of the domain. The 24 hour controlled total sum of metals maximum ground level concentrations is 0.049 ug/m3 located 141 meters NorthWest (NW) from the center of the domain. For 1 year averaging time, results of maximum concentration is 0.00982 ug/m3. Simulated concentrations for maximum ground level concentration for both 1, 24 hours & 1 Year averaging which are generally very low. There is no available the Ambient Air Quality Standards for said metals in the Austal2000 Report and in the USEPA NAAAQS, ESLs and RSLs. Reference center of the domain is the location of the Boiler Stack-1 at UTM coordinates Easting 326540 and Northing 462472.

10.15 OVERALL RESULTS

AERMOD validation of the Austal2000 model results shows slightly higher results than the Austal2000 report but still within TA Luft Standards, USEPA Standards and WHO Air Quality Guideline Values. For the deposition results, Total Dust, SO2, NO2 and Hg are confirmed to be way below the 1 year TA Luft precipitation standards. Toxic heavy metal parameters such Ni, Ti, As,Cd, and Pb was excluded in the validation model due to absence of design emission data. For all the above parameters, controlled emissions have been validated to be in compliance with the TA Luft Standards as provided in the Austal2000 Report and with the USEPA standards.

Based on the design emission of the proposed WTE plant, proposed stack height of 50 meters in the Austal2000 report was found to be favorable considering all predicted ground level concentrations in the AERMOD validation model are below the TA Luft and USEPA standards.

10.16 AERMOD VER.9.1 MODEL MAXIMUM GROUND LEVEL CONCENTRATIONS IN AREA SENSITIVE RECEPTORS (ASR-GLCMAX)

Results of the dispersion model in Table 8 shows highest predicted ground level concentrations (GLC) in ASRs for TSP, CO SO2 and NO2 for 1-hour and 24-hour period. Predicted peak values for 1 year are below 0.00000 ug/Ncm and considered not significant. GLCs for 1-hour and 24-hour period are all below applicable ambient air quality standards.

Table 8: TABLE OF NOTEABLE PEAK VALUES IN AREA SENSITIVE RECEPTORS AREAS (ASRs)

Receptor	Receptor		UTM Co	ordinates						PARAMETER	RS (ug/Ncm)		-	-		
ID	Description	Direction	Easting	Northing	TD	TD	PM10	PM10	NO2	NO2	SO2	SO2	Hg	Hg	D/F	D/F
			(m)	(m)	1 hour	24 hour	1 hour	24 hour	1 hour	24 hour	1 hour	24 hour	1 hour	24 hour	1 hour	24 hour
Applicable \$	Standards				-	-	20	50	200	-	212	20	-	-	-	-
ASR 1	Industrial	1273.25	327812	462536	0.444	0.188	0.031	0.009	16.672	6.623	3.111	0.922	0.019	0.006	0.023	0.007
ASR 2	Industrial	1445.55	327938	462105	0.395	0.159	0.027	0.008	14.967	5.577	2.712	0.790	0.017	0.005	0.020	0.006
ASR 3	Industrial	459.87	326839	462822	0.656	0.213	0.045	0.014	23.098	7.466	4.537	1.379	0.028	0.009	0.034	0.010
ASR 4	Industrial	453.28	326087	462455	0.634	0.217	0.041	0.014	22.492	7.298	4.144	1.370	0.026	0.009	0.031	0.010
ASR 4	Industrial	473.64	326416	462929	0.713	0.216	0.043	0.012	24.549	7.393	4.351	1.206	0.027	0.008	0.032	0.009

11. RECOMMENDATIONS

The WTE Boilers should be regularly maintained and structure of the stack, ducts should be regularly checked up to avoid fugitive dusts sources and particulate accumulation. Biomass and municipal fuel should have an acceptance criteria such as moisture content and toxic characterization. Waste should be dried to eliminate moisture which is a precursor to incomplete combustion which is among major contributors to Particulate Matter (PM) and Carbon Monoxide (CO) emission. Control device such as the Dry scrubber and Baghouse is also recommended for regular check-up and maintenance.

Other control measures outside the facility are also recommended which include, periodic watering of roads for, minimizing generation and resuspension of dust particles. Forestation and plantation in perimeter-buffer areas are other effective controls. These areas will be protected by vegetation walls from dispersion of air pollutants. Other cleaner production measures are recommended.

Regular Ambient Air quality monitoring should be conducted in hot spots and impacts areas based on the results of this modelling report. Actual ambient monitoring may be treated as validation of model results. Every modification and installation of new sources should be considered by proponent as additional contribution to emission of the Power plant, hence modelling updates should also be conducted to determine assimilative carrying capacity of the area based on the impacts of the plant to the environment. These efforts will contribute to recommendations of the plant's overall management efforts to abate air pollution thus performing corporate responsibility to the environment and natural resources. It recommended to (i) retain the four (4) ambient monitoring stations used in conducting ambient air quality in Thillafushi island for the EIA study; and (ii) put up additional ambient monitoring stations in ASR 2, ASR 3 and ASR 5 areas due to industrial facilities with workers quarters.

According to WHO best practices in WTE plant, proper combustion design is among the important factor in reduction of emission. Proper design and operation of incinerators should achieve desired temperatures, residence times, and other conditions necessary to destroy pathogens, minimize emissions, avoid clinker formation and slagging of the ash (in the primary chamber), avoid refractory damage destruction, and minimize fuel consumption. Good combustion practice (GCP) elements also should be followed to control dioxin and furan emissions (Brna and Kilgroe 1989)¹⁵. Regardless of how well equipment is designed, wear and tear during normal use and poor operation and maintenance practices will lead to the deterioration of components, a resultant decrease in both combustion quality, an increase in emissions, and potential risks to the operator and public. Operation and maintenance also affect reliability, effectiveness and life of the equipment. Essentially all components of small-scale incinerators are prone to failure and require maintenance. Maintenance on an hourly to semi-annual schedule is required (EPA 1990). See Annex 1 and 2.

Background ambient air quality was not accounted in the modeling run. However given there are no potential significant sources of air pollution (such as mobile, area, line sources, community and other air-pollutant emitting industries) near the WTE plant, the results of both the Austal2000 and AERMOD models are generally acceptable and can be seen as below TA Luft and USEPA Standards. However, it is highly recommended to conduct a validation run after 1 to 3 months during operations stage using actual CEMS, stack testing, and ambient air monitoring results.

¹⁵ WHO Best Practices in Incineration, EPA (1990), UNDP (2003), and De Montfort literature.

12. RECOMMENDED AMBIENT AIR QUALITY MONITORING STATIONS

Recommended to put up addition Monitoring stations in the ASR 2, ASR 3 and ASR 5 areas. Below is the receptor map of with identified Area Sensitive Receptor primary impact areas and location of Existing Ambient Air Quality Monitoring Stations . In cases of exceedance, these areas are likely to be affected.



Figure 58: Recommended monitoring sites.

ANNEXES

ANNEX-1: WHO Best Practice in WTE plant - Recommended Operating Parameters

Table 2 Recommendations of key design/operating parameters for small-scale intermittent incinerators.

Derived in part from EPA (1990), UNDP (2003), and De Montfort literature.

Type	Parameter	Recommendation
Capacity	Destruction rate, safety boxes capacity	District subdistricts in Taylor (2003) that regularly used incurentors destroyed an average of 58 safety boxes per month, about 14 per week, equivalent to ~12 kg/week. Remote areas may only generate 1 kg per month. Proper sizing is important. Ideally, unit should burn for long periods (~4 hrs) to save fuel. (De Montfort units are not suitable for short sharp buttors without a warm up period, though this appears to be common practice).
Temperatures	Primary chamber Secondary chamber Gas entering air pollusion control devices, if any	540 to 980 C 980 to 1200 C (EPA 1990 recommendations) >850/1100* C (S. African and EU standards) >1000/1100* C (Indian and Thai standards) * more than 1% chloromated organic matter in waste <230 C
Residence times	Cas (secondary chamber)	9 6
Air flows	Total combustion air Supply and distribution of air in the incinerator	140 - 200% excess Adequate
	Mixing of combustion gas and air in all zones Particulate numer entrainment into flue gas leaving the incinerator	Good mixing Minimize by keeping moderate air velocity to avoid finidization of the waste, especially if high (>2%) ash waste is burned.
Controls & Monitoring	Temperature and many other parameters	Communes for some, periodic for others
Waste	Waste destruction efficiency	>90% by weight
	Uniform waste feed Minimizing emissions of FICL DF, metals, other pollutares Load charge only when incinerator operating conditions are appropriate	Uniform waste feed, and avoid overloading the incremote Avoid plastics that contain chlorine (polyvinyl chloride products, e.g., blood bags. IV bags. IV tabes, etc. Avoid heavy metals, e.g., morcury from broken thermometers etc. Pre-licat incinerator and ensure temperatures above 800 C. Avoid overheating.
Enclosure	Roof	A roof may be fitted to protect the operator from min, but only mixtures walls.
Chimney	Height	At least 4 - 5 m high, needed for both adequate dispersion plus draft for proper air flow
Pollution control equipment	Installing as pollution control devices (APCD)	Must frequently used controls include packed bed, venturi or other wet scrubbers, fabric filter typically used with a dry injection system and infrequently electrostatic precipitator (ESP). Modern emission limits cannot be met without APCD.

ANNEX-2: WHO Best Practice in WTE plant - Typical Maintenance Schedule for Incinerators

Activity Frequency	Component	Procedure
Hourly	Ash removal	Inspect and clean as required
Daily	Temperature, pollution monitors, if any	Check operation
	Underfire air ports	Inspect and clean as required
	Door seals	Inspect for wear, closeness of fit, air leakage
	Ash pit	Clean after each shift
Weekly	Latches, hinges, wheels, etc.	Lubricate if applicable
Monthly	External surfaces of incinerator and chimney (stack)	Inspect external hot surfaces. White spots or discoloration may indicate loss of refractory
	Refractory	Inspect and repair minor wear with refractory cement
	Upper/secondary combustion chamber	Inspect and remove particulate matter accumulated on chamber floor
Semi-annually	Hot external surfaces	Inspect and paint with high temperature paint as required
	Ambient external surfaces	Inspect and paint as required

ANNEX 3: MALDIVES MM5 2018 METEROLOGICAL DATA SCREENSHOT PROFILE MET DATA

	Year	Month	Day	Hour	Measurement Height [m]	1, if this is the last (highest) level for this hour, or 0 otherwise	Direction the wind is blowing from for the current level [degrees]	Wind Speed for the current level [m/s]	Temperature at the current level [C]	Standard deviation of the wind direction fluctuations [degrees]	Standard deviation of the vertical wind speed fluctuations [m/s]
Min.	2018	Jan	1	1	10.0	4	0.0	0.00	24.4	99.0	99.00
Max.	2018	Dec	31	24	10.0	1	360.0	14.90	30.6	99.0	99.00
Graph									V		
1	2018	Jan	1	1	10.0	1	41.0	7.20	28.1	99.0	99.00
2	2018	Jan	1	2	10.0	1	38.0	6.70	27.9	99.0	99.00
3	2018	Jan	1	3	10.0	1	44.0	6.20	27.9	99.0	99.00
4	2018	Jan	1	4	10.0	1	43.0	6.70	28.0	99.0	99.00
5	2018	Jan	1	5	10.0	1	63.0	4.60	27.4	99.0	99.00
6	2018	Jan	1	6	10.0	1	62.0	4.60	27.2	99.0	99.00
7	2018	Jan	1	7	10.0	1	65.0	5.10	27.2	99.0	99.00
8	2018	Jan	1	8	10.0	1	63.0	5.10	27.4	99.0	99.00
9	2018	Jan	1	9	10.0	1	47.0	5.10	27.5	99.0	99.00
10	2018	Jan	1	10	10.0	1	51.0	4.60	27.5	99.0	99.00
11	2018	Jan	1	11	10.0	1	54.0	4.60	27.6	99.0	99.00
12	2018	Jan	1	12	10.0	1	46.0	4.60	27.6	99.0	99.00
13	2018	Jan	1	13	10.0	1	53.0	4.10	27.6	99.0	99.00
14	2018	Jan	1	14	10.0	1	49.0	4.10	27.6	99.0	99.00
15	2018	Jan	1	15	10.0	1	52.0	4.10	27.6	99.0	99.00
16	2018	Jan	1	16	10.0	1	54.0	4.10	27.6	99.0	99.00
17	2018	Jan	1	17	10.0	1	61.0	4.10	27.6	99.0	99.00
18	2018	Jan	- 1	18	10.0	1	57.0	4.10	27.5	99.0	99.00

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ANNEX 4: MALDIVES MM5 2018 METEROLOGICAL DATA SCREENSHOT SURFACE MET DATA)

																		•	
	Year	Month	Day	Julian Day	Hour	Surface Roughness Length [m]	Bowen Ratio	Albedo	Wind Speed - Ws [m/s]	Wind Direction - Wd [degrees]	Reference Height for Ws and Wd [m]	Temperature - temp [K]	Reference Height for temp [m]	Precipitation Code	Precipitation Rate [mm/hr]	Relative Humidity [%]	Surface Pressure [mb]	Cloud Cover [tenths]	Data Flag
Min.	2018	Jan	1	1	1	0.000	0.45	0.14	0.00	0.0	10.0	297.5	2.0	0	0.00	57.0	1004.0	2	
Max.	2018	Dec	31	365	24	0.000	0.45	1.00	14.90	360.0	10.0	303.8	2.0	11	48.01	98.0	1015.0	10	
Graph						V	V	V	7	7	V	V	V	V	V	V	V	V	
1	2018	Jan	1	1	1	0.000	0.45	1.00	7.20	41.0	10.0	301.2	2.0	0	0.00	76.0	1007.0	3	NAD-SFC NoSubs
2	2018	Jan	1	1	2	0.000	0.45	0.58	6.70	38.0	10.0	301.0	2.0	11	0.51	76.0	1007.0	4	NAD-SFC NoSubs
3	2018	Jan	1	1	3	0.000	0.45	0.25	6.20	44.0	10.0	301.0	2.0	11	1.52	76.0	1007.0	10	NAD-SFC NoSubs
4	2018	Jan	1	1	4	0.000	0.45	0.17	6.70	43.0	10.0	301.1	2.0	11	2.54	75.0	1006.0	10	NAD-SFC NoSubs
5	2018	Jan	1	1	5	0.000	0.45	0.15	4.60	63.0	10.0	300.5	2.0	0	0.00	74.0	1007.0	6	NAD-SFC NoSubs
6	2018	Jan	1	1	6	0.000	0.45	0.14	4.60	62.0	10.0	300.4	2.0	0	0.00	74.0	1006.0	6	NAD-SFC NoSubs
7	2018	Jan	1	1	7	0.000	0.45	0.14	5.10	65.0	10.0	300.4	2.0	11	0.51	74.0	1007.0	5	NAD-SFC NoSubs
8	2018	Jan	1	1	8	0.000	0.45	0.14	5.10	63.0	10.0	300.5	2.0	11	0.51	73.0	1008.0	4	NAD-SFC NoSubs
9	2018	Jan	1	1	9	0.000	0.45	0.14	5.10	47.0	10.0	300.6	2.0	0	0.00	73.0	1008.0	4	NAD-SFC NoSubs
10	2018	Jan	1	1	10	0.000	0.45	0.15	4.60	51.0	10.0	300.6	2.0	0	0.00	72.0	1008.0	3	NAD-SFC NoSubs
11	2018	Jan	1	1	11	0.000	0.45	0.16	4.60	54.0	10.0	300.8	2.0	0	0.00	72.0	1009.0	3	NAD-SFC NoSubs
12	2018	Jan	1	1	12	0.000	0.45	0.21	4.60	46.0	10.0	300.8	2.0	0	0.00	72.0	1009.0	3	NAD-SFC NoSubs

ANNEX 5: AERMOD VER. 9.7 SAMPLE PLOT FILES

		T					1				,
AERMOD (
180											
AERMET (
180	81):										
MODELING	IONS USED:	egDFAULT	DEPOS	DRYDPL	WETDP						
OPT	R	CONC	ELEV	Т	LT	RURA	_				
	FILE OF	1ST HIGH 1-	VALUES	SOURCE		I.					
PLOT	HIGH	HR	FOR	GR	OUP: AL	L					
	A TOTAL OF										
FOR	16	81 RECEPTOR	S.								
	AT:	.5),2(1X,F13.6	,3(1X,F8.2)		8,2X,A5		l .				
FORM	(2(1X,F13) / ` ` `	,3` ′	X,A6,2X,A	,5	X,A8,2	(81,X				
		AVERAGE	TOTAL	, ,	,	ZFLÁ	,				DATE(CO
Χ	Υ	CONC	DEPO	ZELEV	ZHILL	G	AVE	GRP	RANK	NET ID	NC) `
											,
	_									UCAR	
324540	460472	2.374824	0.000061	0	0	0	1-HR	ALL	1ST	T1	18021517
										UCAR	
324640	460472	2.413572	0.000074	0	0	0	1-HR	ALL	1ST	T1	18021517
										UCAR	
324740	460472	2.535744	0.000076	0	0	0	1-HR	ALL	1ST	T1	18031323
										UCAR	
324840	460472	2.589547	0.000065	0	0	0	1-HR	ALL	1ST	T1	18111222
										UCAR	
324940	460472	2.466475	0.000078	0	0	0	1-HR	ALL	1ST	T1	18031324
										UCAR	
325040	460472	2.622971	0.000079	0	0	0	1-HR	ALL	1ST	T1	18112713
										UCAR	
325140	460472	2.901938	0.000083	0	0	0	1-HR	ALL	1ST	T1	18021524
										UCAR	
325240	460472	2.66411	0.000101	0	0	0	1-HR	ALL	1ST	T1	18021524

325340	460472	2.219997	0.00015	0	0	0	1-HR	ALL	1ST	UCAR T1	18102613
325440	460472	2.410293	0.00017	0	0	0	1-HR	ALL	1ST	UCAR T1	18102613
										UCAR	
325540	460472	2.662954	0.000126	0	0	0	1-HR	ALL	1ST	T1 UCAR	18012416
325640	460472	2.867137	0.000093	0	0	0	1-HR	ALL	1ST	T1	18031218
325740	460472	3.040216	0.000094	0	0	0	1-HR	ALL	1ST	UCAR T1	18031217
325840	460472	2.76666	0.000223	0	0	0	1-HR	ALL	1ST	UCAR T1	18102616
										UCAR	
325940	460472	2.807048	0.000162	0	0	0	1-HR	ALL	1ST	T1 UCAR	18102616
326040	460472	2.668708	0.000167	0	0	0	1-HR	ALL	1ST	T1	18012415
326140	460472	2.95032	0.000173	0	0	0	1-HR	ALL	1ST	UCAR T1	18012415
020140	400472	2.55002	0.000170			0	1 1111	/\	101	UCAR	10012413
326240	460472	3.06731	0.000149	0	0	0	1-HR	ALL	1ST	T1	18111219
326340	460472	3.149194	0.000123	0	0	0	1-HR	ALL	1ST	UCAR T1	18111219
										UCAR	
326440	460472	2.075674	0.000085	0	0	0	1-HR	ALL	1ST	T1	18032922
326540	460472	2.448601	0.000051	0	0	0	1-HR	ALL	1ST	UCAR T1	18111224
					_	_				UCAR	
326640	460472	2.860178	0.000142	0	0	0	1-HR	ALL	1ST	T1	18032921
326740	460472	2.584067	0.000191	0	0	0	1-HR	ALL	1ST	UCAR T1	18102614
					0	^			107	UCAR T1	
326840	460472	2.123774	0.000092	0	0	0	1-HR	ALL	1ST	UCAR	18102614
326940	460472	0.969399	0.000063	0	0	0	1-HR	ALL	1ST	T1	18022415

										UCAR	
327040	460472	2.054241	0.000155	0	0	0	1-HR	ALL	1ST	T1	18100221
				_	_	_				UCAR	
327140	460472	2.794409	0.000186	0	0	0	1-HR	ALL	1ST	T1	18031523
007040	400470	1 000170	0.000100	0	_		4 110	A	107	UCAR	10001001
327240	460472	1.988173	0.000189	0	0	0	1-HR	ALL	1ST	T1 UCAR	18031601
327340	460472	2.513959	0.00022	0	0	0	1-HR	ALL	1ST	T1	18031524
027010	100172	2.010000	0.00022	0		0	1 1111	/ \	101	UCAR	10001021
327440	460472	2.689533	0.000178	0	0	0	1-HR	ALL	1ST	T1	18031522
										UCAR	
327540	460472	2.526455	0.000121	0	0	0	1-HR	ALL	1ST	T1	18031522
										UCAR	
327640	460472	3.289062	0.000072	0	0	0	1-HR	ALL	1ST	T1	18120613
007740	400.470	0.000545	0.000440	0	0		4 110		4.OT	UCAR	10110101
327740	460472	2.698515	0.000119	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112124
327840	460472	2.282734	0.00014	0	0	0	1-HR	ALL	1ST	T1	18112124
327040	400472	2.202734	0.00014	0	0	0	1-1111	ALL	101	UCAR	10112124
327940	460472	2.398733	0.000118	0	0	0	1-HR	ALL	1ST	T1	18112124
02.000			0.000							UCAR	
328040	460472	2.661739	0.000073	0	0	0	1-HR	ALL	1ST	T1	18112124
										UCAR	
328140	460472	2.28584	0.000087	0	0	0	1-HR	ALL	1ST	T1	18120315
										UCAR	
328240	460472	2.167104	0.000098	0	0	0	1-HR	ALL	1ST	T1	18111218
220240	400470	0.050745	0.000100	0	_	_	1 110	A 1 1	1CT	UCAR T1	10111010
328340	460472	2.358745	0.000126	0	0	0	1-HR	ALL	1ST	UCAR	18111218
328440	460472	2.439526	0.000125	0	0	0	1-HR	ALL	1ST	T1	18120316
020770	700772	2.700020	0.000123	0	0	0	1 1111	/14	101	UCAR	10120010
328540	460472	2.830803	0.000116	0	0	0	1-HR	ALL	1ST	T1	18120316
									_	UCAR	
324540	460572	2.476907	0.000044	0	0	0	1-HR	ALL	1ST	T1	18032015

										UCAR	
324640	460572	2.411789	0.000064	0	0	0	1-HR	ALL	1ST	T1	18021517
				_						UCAR	
324740	460572	2.473296	0.000078	0	0	0	1-HR	ALL	1ST	T1	18031323
										UCAR	
324840	460572	2.536927	0.000079	0	0	0	1-HR	ALL	1ST	T1	18031323
										UCAR	
324940	460572	2.675003	0.00007	0	0	0	1-HR	ALL	1ST	T1	18112713
										UCAR	
325040	460572	2.611885	0.000084	0	0	0	1-HR	ALL	1ST	T1	18112713
005440	400570	0.544004	0.00005				4 115		407	UCAR	10110710
325140	460572	2.544284	0.000085	0	0	0	1-HR	ALL	1ST	T1	18112713
205040	400570	0.000700	0.000100		0	_	4 110	A 1 1	10T	UCAR	10001504
325240	460572	3.066763	0.000102	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021524
325340	460572	2.490947	0.000105	0	0	0	1-HR	ALL	1ST	T1	18021402
323340	400372	2.430347	0.000103	0	U	0	I-HIN	ALL	131	UCAR	10021402
325440	460572	2.170551	0.000188	0	0	0	1-HR	ALL	1ST	T1	18102613
020440	+00072	2.170001	0.000100		0	0	1 1111	/\	101	UCAR	10102010
325540	460572	2.697089	0.000145	0	0	0	1-HR	ALL	1ST	T1	18012416
020010	100072	2.007.000	0.0001.0					7	1.0.	UCAR	10012110
325640	460572	2.774787	0.0001	0	0	0	1-HR	ALL	1ST	T1	18012416
										UCAR	
325740	460572	2.751654	0.000089	0	0	0	1-HR	ALL	1ST	T1	18031217
										UCAR	
325840	460572	2.843775	0.000191	0	0	0	1-HR	ALL	1ST	T1	18102616
										UCAR	
325940	460572	3.012101	0.000225	0	0	0	1-HR	ALL	1ST	T1	18102616
										UCAR	
326040	460572	2.968065	0.000143	0	0	0	1-HR	ALL	1ST	T1	18012415
	,								1	UCAR	
326140	460572	3.113224	0.000206	0	0	0	1-HR	ALL	1ST	T1	18012415
000015	400===	0.400555	0.0004.5	_	_	_				UCAR	101110:5
326240	460572	3.126203	0.000149	0	0	0	1-HR	ALL	1ST	T1	18111219

										UCAR	
326340	460572	3.323759	0.000141	0	0	0	1-HR	ALL	1ST	T1	18111219
										UCAR	
326440	460572	2.277121	0.000095	0	0	0	1-HR	ALL	1ST	T1	18032922
2225.42	400==0	0								UCAR	
326540	460572	2.570275	0.000053	0	0	0	1-HR	ALL	1ST	T1	18111224
326640	460572	2.979753	0.000158	0	0	0	1-HR	ALL	1ST	UCAR T1	18032921
320040	400372	2.979733	0.000136	U	U	0	I-HIN	ALL	131	UCAR	10032321
326740	460572	2.753826	0.0002	0	0	0	1-HR	ALL	1ST	T1	18102614
3207.10	.0007		0.000_					7 1	1.0.	UCAR	
326840	460572	2.027717	0.000081	0	0	0	1-HR	ALL	1ST	T1	18102614
										UCAR	
326940	460572	1.169945	0.000089	0	0	0	1-HR	ALL	1ST	T1	18100221
				_						UCAR	
327040	460572	2.460832	0.00018	0	0	0	1-HR	ALL	1ST	T1	18031523
327140	460572	2.654439	0.000192	0	0	0	1-HR	ALL	1ST	UCAR T1	18102615
32/140	460372	2.004439	0.000192	U	U	U	I-III	ALL	131	UCAR	10102013
327240	460572	2.327265	0.000193	0	0	0	1-HR	ALL	1ST	T1	18031601
027210	100072	2.027.200	0.000100	<u> </u>				7122	1.0.	UCAR	10001001
327340	460572	2.500134	0.000232	0	0	0	1-HR	ALL	1ST	T1	18031524
										UCAR	
327440	460572	2.615254	0.000175	0	0	0	1-HR	ALL	1ST	T1	18031522
				_						UCAR	
327540	460572	3.02735	0.000084	0	0	0	1-HR	ALL	1ST	T1	18031522
207040	400570	0.050050	0.000100	0	^	_	1 110	A 1 1	1CT	UCAR T1	10110104
327640	460572	3.252858	0.000108	0	0	0	1-HR	ALL	1ST	UCAR	18112124
327740	460572	2.325895	0.000148	0	0	0	1-HR	ALL	1ST	T1	18112124
021140	+00072	2.020000	3.000170	<u> </u>	0	0	1 1111	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	101	UCAR	10112124
327840	460572	2.51069	0.000139	0	0	0	1-HR	ALL	1ST	T1	18112124
										UCAR	
327940	460572	2.685712	0.000093	0	0	0	1-HR	ALL	1ST	T1	18112124

328040	460572	2.535751	0.000087	0	0	0	1-HR	ALL	1ST	UCAR T1	18120315
328140	460572	2.19849	0.000096	0	0	0	1-HR	ALL	1ST	UCAR T1	18111218
320140	400372	2.19049	0.000030	0	0	0	1-1111	ALL	131	UCAR	10111210
328240	460572	2.320417	0.000134	0	0	0	1-HR	ALL	1ST	T1	18111218
328340	460572	2.483393	0.000133	0	0	0	1-HR	ALL	1ST	UCAR T1	18120316
328440	460572	2.867275	0.000125	0	0	0	1-HR	ALL	1ST	UCAR T1	18120316
328540	460572	3.013515	0.000089	0	0	0	1-HR	ALL	1ST	UCAR T1	18120316
										UCAR	
324540	460672	2.480257	0.000076	0	0	0	1-HR	ALL	1ST	T1	18111220
324640	460672	2.544249	0.000049	0	0	0	1-HR	ALL	1ST	UCAR T1	18032015
324740	460672	2.441197	0.000067	0	0	0	1-HR	ALL	1ST	UCAR T1	18021517
021710	100072	2	0.00000.					, , ,	101	UCAR	10021017
324840	460672	2.525983	0.000083	0	0	0	1-HR	ALL	1ST	T1	18031323
324940	460672	2.567781	0.000082	0	0	0	1-HR	ALL	1ST	UCAR T1	18031323
					_					UCAR	
325040	460672	2.736948	0.00008	0	0	0	1-HR	ALL	1ST	T1	18112713
325140	460672	2.777259	0.000093	0	0	0	1-HR	ALL	1ST	UCAR T1	18112713
005040	400070	0.04.004.4	0.00000				4 115		407	UCAR	10110710
325240	460672	2.819911	0.00009	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112713
325340	460672	3.089893	0.000115	0	0	0	1-HR	ALL	1ST	T1	18021524
325440	460672	2.320247	0.000151	0	0	0	1-HR	ALL	1ST	UCAR T1	18102613
					0	0				UCAR	
325540	460672	2.249166	0.000204	0	0	0	1-HR	ALL	1ST	T1	18102613

325640	460672	2.850349	0.000144	0	0	0	1-HR	ALL	1ST	UCAR T1	18012416
325740	460672	2.921606	0.000101	0	0	0	1-HR	ALL	1ST	UCAR T1	18031218
323740	400072	2.921000	0.000101	0	0	0	I-UU	ALL	131	UCAR	10031210
325840	460672	3.140232	0.000134	0	0	0	1-HR	ALL	1ST	T1	18102616
325940	460672	2.997056	0.00027	0	0	0	1-HR	ALL	1ST	UCAR T1	18102616
020040	+00072	2.337030	0.00027	0	0	0	1 1111	ALL	101	UCAR	10102010
326040	460672	3.068161	0.000134	0	0	0	1-HR	ALL	1ST	T1	18120801
326140	460672	3.236382	0.000229	0	0	0	1-HR	ALL	1ST	UCAR T1	18012415
320140	400072	3.230302	0.000229	0	U	U	I-UU	ALL	101	UCAR	10012415
326240	460672	3.094962	0.000143	0	0	0	1-HR	ALL	1ST	T1	18111219
										UCAR	
326340	460672	3.462126	0.00016	0	0	0	1-HR	ALL	1ST	T1	18111219
										UCAR	
326440	460672	2.497472	0.000106	0	0	0	1-HR	ALL	1ST	T1	18032922
				_	_	_				UCAR	
326540	460672	2.699874	0.000056	0	0	0	1-HR	ALL	1ST	T1	18092804
000040	400070	0.00005	0.000470				4 110	A 1 1	400	UCAR	10000001
326640	460672	3.09835	0.000176	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032921
326740	460672	2.914469	0.000207	0	0	0	1-HR	ALL	1ST	T1	18102614
										UCAR	
326840	460672	1.882312	0.000074	0	0	0	1-HR	ALL	1ST	T1	18021521
										UCAR	
326940	460672	1.358637	0.000125	0	0	0	1-HR	ALL	1ST	T1	18100221
007040	400070	0.70.4000	0.00001.0				4 110		407	UCAR	10001500
327040	460672	2.794293	0.000216	0	0	0	1-HR	ALL	1ST	T1	18031523
327140	460672	2.29268	0.000214	0	0	0	1-HR	ALL	1ST	UCAR T1	18031601
										UCAR	
327240	460672	2.497904	0.000243	0	0	0	1-HR	ALL	1ST	T1	18031524

										LICAD	
327340	460672	2.896369	0.000217	0	0	0	1-HR	ALL	1ST	UCAR T1	18012414
027010	100072	2.000000	0.000217				1 1111	/ \	101	UCAR	10012111
327440	460672	2.792391	0.000145	0	0	0	1-HR	ALL	1ST	T1	18031522
										UCAR	
327540	460672	3.491811	0.000092	0	0	0	1-HR	ALL	1ST	T1	18112124
				_	_	_				UCAR	
327640	460672	2.561642	0.000149	0	0	0	1-HR	ALL	1ST	T1	18112124
207740	400070	0.455050	0.00010		_	_	1 110	A 1 1	1 CT	UCAR	10110104
327740	460672	2.455956	0.00016	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112124
327840	460672	2.704715	0.000117	0	0	0	1-HR	ALL	1ST	T1	18112124
027040	+00012	2.704713	0.000117		0	0	1 1111	/ \	101	UCAR	10112124
327940	460672	2.768546	0.000083	0	0	0	1-HR	ALL	1ST	T1	18120315
										UCAR	
328040	460672	2.241863	0.000092	0	0	0	1-HR	ALL	1ST	T1	18111218
										UCAR	
328140	460672	2.367794	0.000142	0	0	0	1-HR	ALL	1ST	T1	18111218
000040	400070	0.540400	0.0001.10				4 115		407	UCAR	10100010
328240	460672	2.516468	0.000143	0	0	0	1-HR	ALL	1ST	T1	18120316
328340	460672	2.982914	0.000135	0	0	0	1-HR	ALL	1ST	UCAR T1	18120316
320340	400072	2.302314	0.000133	0	0	0	I-HIN	ALL	131	UCAR	10120310
328440	460672	3.119754	0.000095	0	0	0	1-HR	ALL	1ST	T1	18120316
5_5,15	10001	01110101								UCAR	
328540	460672	2.553128	0.000084	0	0	0	1-HR	ALL	1ST	T1	18042417
										UCAR	
324540	460772	2.539268	0.000095	0	0	0	1-HR	ALL	1ST	T1	18111220
				_	_	_				UCAR	
324640	460772	2.562768	0.000084	0	0	0	1-HR	ALL	1ST	T1	18111220
004740	400770	0.00704	0.000055		_	_	1 110	A	107	UCAR	10111000
324740	460772	2.603724	0.000055	0	0	0	1-HR	ALL	1ST	T1 UCAR	18111220
324840	460772	2.460538	0.000071	0	0	0	1-HR	ALL	1ST	T1	18021517
324040	700772	۵.+۵۵۵۵۵	0.000071		<u> </u>	U	1-1111		1 101	111	10021317

										UCAR	
324940	460772	2.568544	0.000089	0	0	0	1-HR	ALL	1ST	T1	18031323
				_	_	_				UCAR	
325040	460772	2.736606	0.000084	0	0	0	1-HR	ALL	1ST	T1	18031323
005140	400770	0.704050	0.00000	0	_		4 110		101	UCAR	10110710
325140	460772	2.764052	0.00009	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112713
325240	460772	2.891013	0.000102	0	0	0	1-HR	ALL	1ST	T1	18112713
020210	100772	2.001010	0.000102	0	-	0	1 1111	7122	101	UCAR	10112710
325340	460772	3.16679	0.000094	0	0	0	1-HR	ALL	1ST	T1	18112713
										UCAR	
325440	460772	2.915477	0.000117	0	0	0	1-HR	ALL	1ST	T1	18021524
										UCAR	
325540	460772	2.032895	0.000207	0	0	0	1-HR	ALL	1ST	T1	18102613
005040	400770	0.004004	0.000470	0	0		4 110		100	UCAR	10100010
325640	460772	2.624634	0.000179	0	0	0	1-HR	ALL	1ST	T1 UCAR	18102613
325740	460772	2.862059	0.00011	0	0	0	1-HR	ALL	1ST	T1	18012416
323740	400772	2.002033	0.00011	0	0	0	1-1111	ALL	101	UCAR	10012410
325840	460772	2.980309	0.000106	0	0	0	1-HR	ALL	1ST	T1	18031217
9200.0										UCAR	
325940	460772	2.843978	0.000269	0	0	0	1-HR	ALL	1ST	T1	18102616
										UCAR	
326040	460772	3.147629	0.000188	0	0	0	1-HR	ALL	1ST	T1	18102616
				_						UCAR	
326140	460772	3.167473	0.000236	0	0	0	1-HR	ALL	1ST	T1	18012415
220240	400770	0.004755	0.000144	0	^	_	1 110	A	10T	UCAR T1	10010415
326240	460772	3.264755	0.000144	0	0	0	1-HR	ALL	1ST	UCAR	18012415
326340	460772	3.543019	0.000181	0	0	0	1-HR	ALL	1ST	T1	18111219
020040	+00112	0.0-0010	3.000101	<u> </u>	0	0	1 1111	, , , , ,	101	UCAR	10111213
326440	460772	2.735695	0.000118	0	0	0	1-HR	ALL	1ST	T1	18032922
										UCAR	
326540	460772	2.83701	0.000061	0	0	0	1-HR	ALL	1ST	T1	18092804

										UCAR	
326640	460772	3.212116	0.000196	0	0	0	1-HR	ALL	1ST	T1	18032921
				_	_	_				UCAR	
326740	460772	3.05429	0.00021	0	0	0	1-HR	ALL	1ST	T1	18102614
000040	400770	1 004000	0.000075	0	_		4 110	A. I	10T	UCAR	10001501
326840	460772	1.684929	0.000075	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021521
326940	460772	1.663129	0.000163	0	0	0	1-HR	ALL	1ST	T1	18100221
020010	100772	1.000120	0.000100	0	-		1 1111	/ \	101	UCAR	10100221
327040	460772	2.955724	0.000241	0	0	0	1-HR	ALL	1ST	T1	18031523
										UCAR	
327140	460772	1.901688	0.000239	0	0	0	1-HR	ALL	1ST	T1	18031601
										UCAR	
327240	460772	2.474966	0.000287	0	0	0	1-HR	ALL	1ST	T1	18031524
007040	400770	0.000400	0 000015	0	0		4 110		10T	UCAR	10001500
327340	460772	2.890422	0.000215	0	0	0	1-HR	ALL	1ST	T1 UCAR	18031522
327440	460772	3.374517	0.000096	0	0	0	1-HR	ALL	1ST	T1	18031522
327440	400772	3.374317	0.000030	0	0	0	1-1111	ALL	101	UCAR	10031322
327540	460772	3.260158	0.00014	0	0	0	1-HR	ALL	1ST	T1	18112124
32.0.0		0120100								UCAR	
327640	460772	2.19033	0.000177	0	0	0	1-HR	ALL	1ST	T1	18112124
										UCAR	
327740	460772	2.685471	0.000146	0	0	0	1-HR	ALL	1ST	T1	18112124
				_						UCAR	
327840	460772	2.954873	0.000083	0	0	0	1-HR	ALL	1ST	T1	18112124
207040	400770	0.05400	0.000100	0	^	_	4 LID	A 1 1	1CT	UCAR T1	10100015
327940	460772	2.25429	0.000102	0	0	0	1-HR	ALL	1ST	UCAR	18120315
328040	460772	2.532223	0.00015	0	0	0	1-HR	ALL	1ST	T1	18111218
320040	700772	2.302220	0.00013	0	<u> </u>	0	1 1111	ALL	101	UCAR	10111210
328140	460772	2.54737	0.000153	0	0	0	1-HR	ALL	1ST	T1	18120316
3=3:10			21000100							UCAR	0.1200.0
328240	460772	3.101918	0.000146	0	0	0	1-HR	ALL	1ST	T1	18120316

										UCAR	
328340	460772	3.225295	0.000101	0	0	0	1-HR	ALL	1ST	T1	18120316
										UCAR	
328440	460772	2.66197	0.000088	0	0	0	1-HR	ALL	1ST	T1	18042417
000540	400770	0.000000	0.000000	0	0		4 110		100	UCAR	10000015
328540	460772	3.033928	0.000093	0	0	0	1-HR	ALL	1ST	T1 UCAR	18092815
324540	460872	2.47522	0.000083	0	0	0	1-HR	ALL	1ST	T1	18111220
024040	+00072	2.47 322	0.000000	0	0	0	1 1111	/\	101	UCAR	101111220
324640	460872	2.631176	0.000102	0	0	0	1-HR	ALL	1ST	T1	18111220
										UCAR	
324740	460872	2.645015	0.000094	0	0	0	1-HR	ALL	1ST	T1	18111220
										UCAR	
324840	460872	2.6514	0.000062	0	0	0	1-HR	ALL	1ST	T1	18111220
004040	400070	0.405400	0.000075	0	0		4 110		100	UCAR	10001517
324940	460872	2.495426	0.000075	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021517
325040	460872	2.59702	0.000096	0	0	0	1-HR	ALL	1ST	T1	18031323
323040	+00072	2.55702	0.000000	0	0	0	1 1111	ALL	101	UCAR	10001020
325140	460872	2.904373	0.000086	0	0	0	1-HR	ALL	1ST	T1	18031323
										UCAR	
325240	460872	2.742096	0.000103	0	0	0	1-HR	ALL	1ST	T1	18112713
										UCAR	
325340	460872	2.921093	0.000112	0	0	0	1-HR	ALL	1ST	T1	18112713
005440	400070	0.400440	0.000440	0			4 115		407	UCAR	10001504
325440	460872	3.408148	0.000116	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021524
325540	460872	2.835267	0.000141	0	0	0	1-HR	ALL	1ST	T1	18102613
323340	400072	2.033207	0.000141	0	U	0	1-1111	ALL	101	UCAR	10102013
325640	460872	2.31975	0.000243	0	0	0	1-HR	ALL	1ST	T1	18102613
3=33.0										UCAR	2132210
325740	460872	3.026894	0.000165	0	0	0	1-HR	ALL	1ST	T1	18012416
										UCAR	
325840	460872	2.897978	0.000111	0	0	0	1-HR	ALL	1ST	T1	18031218

325940	460872	3.060215	0.000214	0	0	0	1-HR	ALL	1ST	UCAR T1	18102616
326040	460872	3.435097	0.000279	0	0	0	1-HR	ALL	1ST	UCAR T1	18102616
										UCAR	
326140	460872	2.950693	0.000219	0	0	0	1-HR	ALL	1ST	T1 UCAR	18012415
326240	460872	3.322787	0.000198	0	0	0	1-HR	ALL	1ST	T1	18012415
326340	460872	3.540337	0.000201	0	0	0	1-HR	ALL	1ST	UCAR T1	18111219
326440	460872	2.988556	0.000132	0	0	0	1-HR	ALL	1ST	UCAR T1	18032922
326540	460872	2.980708	0.000065	0	0	0	1-HR	ALL	1ST	UCAR T1	18092804
326640	460872	3.31546	0.000218	0	0	0	1-HR	ALL	1ST	UCAR T1	18032921
326740	460872	3.156816	0.00021	0	0	0	1-HR	ALL	1ST	UCAR T1	18102614
										UCAR	
326840	460872	1.438362	0.000072	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021521
326940	460872	2.146125	0.000197	0	0	0	1-HR	ALL	1ST	T1	18031523
327040	460872	2.845	0.000244	0	0	0	1-HR	ALL	1ST	UCAR T1	18031523
327140	460872	2.262851	0.000247	0	0	0	1-HR	ALL	1ST	UCAR T1	18031524
327240	460872	3.056728	0.000267	0	0	0	1-HR	ALL	1ST	UCAR T1	18012414
027210			0.000207		J					UCAR	10012111
327340	460872	3.09869	0.000177	0	0	0	1-HR	ALL	1ST	T1	18031522
327440	460872	3.645706	0.000121	0	0	0	1-HR	ALL	1ST	UCAR T1	18112124
327540	460872	2.323518	0.000185	0	0	0	1-HR	ALL	1ST	UCAR T1	18112124

										UCAR	
327640	460872	2.504975	0.000176	0	0	0	1-HR	ALL	1ST	T1	18112124
				_	_	_				UCAR	
327740	460872	3.05333	0.000109	0	0	0	1-HR	ALL	1ST	T1	18112124
007040	400070	0.450407	0.000100	0	_		4 110	A. I	10T	UCAR	10100015
327840	460872	2.452437	0.000109	0	0	0	1-HR	ALL	1ST	T1 UCAR	18120315
327940	460872	2.697457	0.000156	0	0	0	1-HR	ALL	1ST	T1	18111218
027010	100072	2.007 107	0.000100	0		0	1 1111	712	101	UCAR	10111210
328040	460872	2.641707	0.000165	0	0	0	1-HR	ALL	1ST	T1	18120316
										UCAR	
328140	460872	3.222615	0.000159	0	0	0	1-HR	ALL	1ST	T1	18120316
										UCAR	
328240	460872	3.327254	0.000107	0	0	0	1-HR	ALL	1ST	T1	18120316
000040	400070	0.700040	0.000000	0	0		4 110		10T	UCAR	10040447
328340	460872	2.763912	0.000092	0	0	0	1-HR	ALL	1ST	T1 UCAR	18042417
328440	460872	3.1449	0.000104	0	0	0	1-HR	ALL	1ST	T1	18092815
320440	400072	5.1443	0.000104	0	0	0	1-1111	ALL	101	UCAR	10032013
328540	460872	2.764726	0.000108	0	0	0	1-HR	ALL	1ST	T1	18092815
9200.0										UCAR	
324540	460972	2.560175	0.0001	0	0	0	1-HR	ALL	1ST	T1	18030514
										UCAR	
324640	460972	2.494151	0.000081	0	0	0	1-HR	ALL	1ST	T1	18111220
				_						UCAR	
324740	460972	2.691251	0.000107	0	0	0	1-HR	ALL	1ST	T1	18111220
204040	400070	0.704404	0.000104	0	^	_	1 110	A 1 1	1CT	UCAR T1	10111000
324840	460972	2.704401	0.000104	0	0	0	1-HR	ALL	1ST	UCAR	18111220
324940	460972	2.682114	0.000071	0	0	0	1-HR	ALL	1ST	T1	18111220
024040	+00372	2.002114	0.000071	0		0	1 1111	/\LL	101	UCAR	10111220
325040	460972	2.626936	0.00008	0	0	0	1-HR	ALL	1ST	T1	18021517
										UCAR	
325140	460972	2.6064	0.000103	0	0	0	1-HR	ALL	1ST	T1	18031323

005040	1000=0	0.00000							4.0.7	UCAR	10110710
325240	460972	3.062609	0.00009	0	0	0	1-HR	ALL	1ST	T1	18112713
325340	460972	2.749911	0.000117	0	0	0	1-HR	ALL	1ST	UCAR T1	18112713
3233.6	.0007		0.000						1.0.	UCAR	
325440	460972	2.857044	0.000121	0	0	0	1-HR	ALL	1ST	T1	18112713
					_					UCAR	
325540	460972	3.447838	0.000136	0	0	0	1-HR	ALL	1ST	T1	18021524
325640	460972	2.489146	0.000218	0	0	0	1-HR	ALL	1ST	UCAR T1	18102613
323040	400372	2.403140	0.000210	0	0	U	1-1111	ALL	101	UCAR	10102013
325740	460972	2.938728	0.000225	0	0	0	1-HR	ALL	1ST	T1	18102613
										UCAR	
325840	460972	2.888626	0.000122	0	0	0	1-HR	ALL	1ST	T1	18012416
205040	400070	0.004504	0.000400		•		4 115		407	UCAR	10100010
325940	460972	3.264591	0.000129	0	0	0	1-HR	ALL	1ST	T1 UCAR	18102616
326040	460972	3.34226	0.000342	0	0	0	1-HR	ALL	1ST	T1	18102616
020010	100072	0.01220	0.000012	<u> </u>				7122	101	UCAR	10102010
326140	460972	3.271353	0.000176	0	0	0	1-HR	ALL	1ST	T1	18012415
										UCAR	
326240	460972	3.31234	0.000258	0	0	0	1-HR	ALL	1ST	T1	18012415
326340	460972	3.542907	0.000219	0	0	0	1-HR	ALL	1ST	UCAR T1	18111219
320340	400972	3.342907	0.000219	0	U	0	1-HIN	ALL	131	UCAR	10111219
326440	460972	3.249185	0.000147	0	0	0	1-HR	ALL	1ST	T1	18032922
										UCAR	
326540	460972	3.129085	0.00007	0	0	0	1-HR	ALL	1ST	T1	18092804
200043	400070	0.400400	0.000040	•	_		4 115		407	UCAR	10000001
326640	460972	3.400422	0.000242	0	0	0	1-HR	ALL	1ST	T1	18032921
326740	460972	3.19997	0.000203	0	0	0	1-HR	ALL	1ST	UCAR T1	18102614
320740	700312	0.19997	0.000200	0	<u> </u>	0	1 1111	\	101	UCAR	10102014
326840	460972	1.153428	0.000092	0	0	0	1-HR	ALL	1ST	T1	18022415

1	I					I			11045	
460972	2.625634	0.00026	0	0	0	1-HR	ALL	1ST	UCAR T1	18031523
160070	0.406001	0.000076	0	0	0	1 UD	A1.1	101	UCAR	10021601
460972	2.420231	0.000276	U	U	U	I-NK	ALL	101		18031601
460972	2.294318	0.000343	0	0	0	1-HR	ALL	1ST	T1	18031524
									UCAR	
460972	3.166153	0.000267	0	0	0	1-HR	ALL	1ST		18031522
460972	3.774293	0.000111	0	0	0	1-HR	ALL	1ST	T1	18031522
									UCAR	
460972	3.125776	0.000181	0	0	0	1-HR	ALL	1ST	T1	18112124
									UCAR	
460972	2.309048	0.000206	0	0	0	1-HR	ALL	1ST	T1	18112124
									UCAR	
460972	3.012108	0.000143	0	0	0	1-HR	ALL	1ST	T1	18112124
									UCAR	
460972	2.775257	0.000114	0	0	0	1-HR	ALL	1ST	T1	18120315
									UCAR	
460972	2.854705	0.000161	0	0	0	1-HR	ALL	1ST	T1	18111218
									UCAR	
460972	2.727822	0.000178	0	0	0	1-HR	ALL	1ST	T1	18120316
									UCAR	
460972	3.342406	0.000173	0	0	0	1-HR	ALL	1ST	T1	18120316
									UCAR	
460972	3.421477	0.000115	0	0	0	1-HR	ALL	1ST	T1	18120316
									UCAR	
460972	2.852763	0.000097	0	0	0	1-HR	ALL	1ST	T1	18042417
									UCAR	
460972	3.218742	0.000115	0	0	0	1-HR	ALL	1ST	T1	18092815
									UCAR	
460972	2.688098	0.000113	0	0	0	1-HR	ALL	1ST	T1	18092815
									UCAR	
460972	2.513606	0.0001	0	0	0	1-HR	ALL	1ST	T1	18091622
	460972 460972 460972 460972 460972 460972 460972 460972 460972 460972 460972 460972 460972 460972 460972	0 460972 2.426231 0 460972 3.166153 0 460972 3.774293 0 460972 3.125776 0 460972 2.309048 0 460972 3.012108 0 460972 2.854705 0 460972 2.727822 0 460972 3.342406 0 460972 3.421477 0 460972 3.2852763 0 460972 3.218742 0 460972 2.688098	0 460972 2.426231 0.000276 0 460972 2.294318 0.000343 0 460972 3.166153 0.000267 0 460972 3.774293 0.000111 0 460972 3.125776 0.000181 0 460972 2.309048 0.000206 0 460972 3.012108 0.000143 0 460972 2.854705 0.000161 0 460972 2.727822 0.000178 0 460972 3.342406 0.000173 0 460972 3.421477 0.000115 0 460972 3.218742 0.000115 0 460972 3.218742 0.000113	0 460972 2.426231 0.000276 0 0 460972 2.294318 0.000343 0 0 460972 3.166153 0.000267 0 0 460972 3.774293 0.000111 0 0 460972 3.125776 0.000181 0 0 460972 2.309048 0.000206 0 0 460972 3.012108 0.000143 0 0 460972 2.775257 0.000114 0 0 460972 2.854705 0.000161 0 0 460972 3.342406 0.000173 0 0 460972 3.421477 0.000115 0 0 460972 3.218742 0.000115 0 0 460972 3.218742 0.000115 0 0 460972 2.688098 0.000113 0	0 460972 2.426231 0.000276 0 0 0 460972 2.294318 0.000343 0 0 0 460972 3.166153 0.000267 0 0 0 460972 3.774293 0.000111 0 0 0 460972 3.125776 0.000181 0 0 0 460972 2.309048 0.000206 0 0 0 460972 3.012108 0.000143 0 0 0 460972 2.775257 0.000114 0 0 0 460972 2.854705 0.000161 0 0 0 460972 3.342406 0.000173 0 0 0 460972 3.421477 0.000115 0 0 0 460972 3.2852763 0.000097 0 0 0 460972 3.218742 0.000115 0 0 0 460972 2.688098 0.000113 0 0	0 460972 2.426231 0.000276 0 0 0 0 460972 2.294318 0.000343 0 0 0 0 460972 3.166153 0.000267 0 0 0 0 460972 3.774293 0.000111 0 0 0 0 460972 3.125776 0.000181 0 0 0 0 460972 2.309048 0.000206 0 0 0 0 460972 3.012108 0.000143 0 0 0 0 460972 2.775257 0.000114 0 0 0 0 460972 2.854705 0.000161 0 0 0 0 460972 3.342406 0.000178 0 0 0 0 460972 3.421477 0.000115 0 0 0 0 460972 2.852763 0.0000175 0 0 0 0 460972 3.218742 0.000115 0 0 0	0 460972 2.426231 0.000276 0 0 0 1-HR 0 460972 2.294318 0.000343 0 0 0 1-HR 0 460972 3.166153 0.000267 0 0 0 1-HR 0 460972 3.774293 0.000111 0 0 0 1-HR 0 460972 3.125776 0.000181 0 0 0 1-HR 0 460972 2.309048 0.000206 0 0 0 1-HR 0 460972 3.012108 0.000143 0 0 0 1-HR 0 460972 2.775257 0.000114 0 0 0 1-HR 0 460972 2.854705 0.000161 0 0 0 1-HR 0 460972 3.342406 0.000173 0 0 0 1-HR 0 460972 3.421477 0.000115 0 0 0 1-HR 0 460972 2.852763 0.000	0 460972 2.426231 0.000276 0 0 1-HR ALL 0 460972 2.294318 0.000343 0 0 0 1-HR ALL 0 460972 3.166153 0.000267 0 0 0 1-HR ALL 0 460972 3.774293 0.000111 0 0 0 1-HR ALL 0 460972 3.125776 0.000181 0 0 0 1-HR ALL 0 460972 2.309048 0.000206 0 0 0 1-HR ALL 0 460972 3.012108 0.000143 0 0 0 1-HR ALL 0 460972 2.775257 0.000114 0 0 0 1-HR ALL 0 460972 2.854705 0.000161 0 0 0 1-HR ALL 0 460972 3.342406 0.000173 0 0 1-HR ALL 0 460972 3.285763 0.000097 0<	0 460972 2.426231 0.000276 0 0 0 1-HR ALL 1ST 0 460972 2.294318 0.000343 0 0 0 1-HR ALL 1ST 0 460972 3.166153 0.000267 0 0 0 1-HR ALL 1ST 0 460972 3.774293 0.000111 0 0 0 1-HR ALL 1ST 0 460972 3.125776 0.000181 0 0 0 1-HR ALL 1ST 0 460972 2.309048 0.000206 0 0 0 1-HR ALL 1ST 0 460972 3.012108 0.000143 0 0 1-HR ALL 1ST 0 460972 2.775257 0.000114 0 0 1-HR ALL 1ST 0 460972 2.854705 0.000178 0 0 1-HR ALL 1ST 0 460972 3.342406 0.000173 0 0 1-HR	

										UCAR	
324540	461072	2.583947	0.000088	0	0	0	1-HR	ALL	1ST	T1	18030514
										UCAR	
324640	461072	2.645089	0.000109	0	0	0	1-HR	ALL	1ST	T1	18030514
										UCAR	
324740	461072	2.472379	0.00009	0	0	0	1-HR	ALL	1ST	T1	18030514
										UCAR	
324840	461072	2.704681	0.000112	0	0	0	1-HR	ALL	1ST	T1	18111220
										UCAR	
324940	461072	2.866955	0.000116	0	0	0	1-HR	ALL	1ST	T1	18111220
005040	404070	0.000477	0.000001				4 115		407	UCAR	10111000
325040	461072	2.689177	0.000081	0	0	0	1-HR	ALL	1ST	T1	18111220
005140	404070	0.70000	0.000005		_		4 110	A 1 1	101	UCAR	10001517
325140	461072	2.76288	0.000085	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021517
325240	461072	2.590451	0.000111	0	0	0	1-HR	ALL	1ST	T1	18031323
323240	401072	2.530451	0.000111	0	U	0	I-HIN	ALL	131	UCAR	10031323
325340	461072	3.198165	0.000104	0	0	0	1-HR	ALL	1ST	T1	18112713
020040	401072	0.130103	0.000104	0	0	0	1 1111	ALL	101	UCAR	10112710
325440	461072	2.962379	0.000132	0	0	0	1-HR	ALL	1ST	T1	18112713
020110	101072	2.002070	0.000.02					7	10.	UCAR	10112710
325540	461072	3.321823	0.000129	0	0	0	1-HR	ALL	1ST	T1	18112713
				-					_	UCAR	
325640	461072	3.365326	0.000138	0	0	0	1-HR	ALL	1ST	T1	18021524
										UCAR	
325740	461072	2.411346	0.000286	0	0	0	1-HR	ALL	1ST	T1	18102613
										UCAR	
325840	461072	3.197154	0.000193	0	0	0	1-HR	ALL	1ST	T1	18012416
										UCAR	
325940	461072	3.328123	0.00012	0	0	0	1-HR	ALL	1ST	T1	18031218
										UCAR	
326040	461072	3.366931	0.000328	0	0	0	1-HR	ALL	1ST	T1	18102616
				_	_	_				UCAR	
326140	461072	3.444148	0.000216	0	0	0	1-HR	ALL	1ST	T1	18102616

T				ı	1		1	1			
326240	461072	3.644026	0.000309	0	0	0	1-HR	ALL	1ST	UCAR T1	18012415
323210		3.3.1323	3.00000							UCAR	
326340	461072	3.643019	0.000232	0	0	0	1-HR	ALL	1ST	T1	18111219
326440	461072	3.516124	0.000161	0	0	0	1-HR	ALL	1ST	UCAR T1	18032922
020440	401072	0.510124	0.000101	0	0	0	1 1111	/ \	101	UCAR	10002322
326540	461072	3.27887	0.000077	0	0	0	1-HR	ALL	1ST	T1	18092804
				_	_	_				UCAR	
326640	461072	3.455873	0.000271	0	0	0	1-HR	ALL	1ST	T1	18102614
326740	461072	3.156096	0.000187	0	0	0	1-HR	ALL	1ST	UCAR T1	18102614
				_						UCAR	
326840	461072	1.152107	0.000136	0	0	0	1-HR	ALL	1ST	T1	18100221
000040	404070	0.050405	0.000010		0		4 110	A	4.OT	UCAR	10001500
326940	461072	2.950105	0.000316	0	0	0	1-HR	ALL	1ST	T1 UCAR	18031523
327040	461072	1.755145	0.00031	0	0	0	1-HR	ALL	1ST	T1	18031601
										UCAR	
327140	461072	3.101262	0.000357	0	0	0	1-HR	ALL	1ST	T1	18031524
227240	461070	2 440100	0.00000	0	0	_	1 UD	A 1 1	1ST	UCAR T1	10001500
327240	461072	3.440199	0.00022	0	U	0	1-HR	ALL	151	UCAR	18031522
327340	461072	3.693376	0.000162	0	0	0	1-HR	ALL	1ST	T1	18112124
										UCAR	
327440	461072	1.965361	0.000229	0	0	0	1-HR	ALL	1ST	T1	18112124
327540	461072	3.014321	0.000184	0	0	0	1-HR	ALL	1ST	UCAR T1	18112124
327540	401072	3.014321	0.000164	U	U	U	I-HK	ALL	151	UCAR	10112124
327640	461072	3.070119	0.000112	0	0	0	1-HR	ALL	1ST	T1	18120315
										UCAR	
327740	461072	2.989758	0.000162	0	0	0	1-HR	ALL	1ST	T1	18111218
327840	461072	2.798973	0.000191	0	0	0	1-HR	ALL	1ST	UCAR T1	19120216
32/040	461072	2.190913	0.000191	l U	l U	U	ו-חת	ALL	101		18120316

										UCAR	
327940	461072	3.457357	0.00019	0	0	0	1-HR	ALL	1ST	T1	18120316
										UCAR	
328040	461072	3.50206	0.000123	0	0	0	1-HR	ALL	1ST	T1	18120316
200440	4040=0	0.00=404	0.0004							UCAR	
328140	461072	2.985164	0.0001	0	0	0	1-HR	ALL	1ST	T1	18042417
328240	461072	3.238437	0.000126	0	0	0	1-HR	ALL	1ST	UCAR T1	18092815
320240	401072	3.230437	0.000126	U	U	U	I-III	ALL	131	UCAR	10092013
328340	461072	2.719699	0.000115	0	0	0	1-HR	ALL	1ST	T1	18092815
0200.0			0.0000					7 1	10.	UCAR	
328440	461072	2.489054	0.000114	0	0	0	1-HR	ALL	1ST	T1	18091622
										UCAR	
328540	461072	2.692771	0.000101	0	0	0	1-HR	ALL	1ST	T1	18091622
				_	_	_				UCAR	
324540	461172	2.794312	0.000103	0	0	0	1-HR	ALL	1ST	T1	18022724
324640	461172	2.721636	0.000092	0	0	0	1-HR	A 1 1	1ST	UCAR T1	10000704
324040	401172	2.721030	0.000092	0	U	U	I-nn	ALL	151	UCAR	18022724
324740	461172	2.674596	0.000113	0	0	0	1-HR	ALL	1ST	T1	18030514
021710	101172	2.07 1000	0.000110	0	-	0	1 1111	7122	101	UCAR	10000011
324840	461172	2.57506	0.000108	0	0	0	1-HR	ALL	1ST	T1	18030514
										UCAR	
324940	461172	2.653719	0.000115	0	0	0	1-HR	ALL	1ST	T1	18111220
										UCAR	
325040	461172	3.031578	0.000129	0	0	0	1-HR	ALL	1ST	T1	18111220
005440	404470	0.704407	0.000000	0			4 115		407	UCAR	10111000
325140	461172	2.721107	0.000093	0	0	0	1-HR	ALL	1ST	T1	18111220
325240	461172	2.900208	0.000091	0	0	0	1-HR	ALL	1ST	UCAR T1	18021517
323240	4011/2	2.300200	0.000091	U	U	U	I-UN	ALL	131	UCAR	10021317
325340	461172	2.638842	0.00012	0	0	0	1-HR	ALL	1ST	T1	18031323
3233.3	.511,2	2.300012	0.00012	<u> </u>	<u> </u>			7 1	1.01	UCAR	.5551525
325440	461172	3.29132	0.000122	0	0	0	1-HR	ALL	1ST	T1	18112713

										UCAR	
325540	461172	3.093714	0.000149	0	0	0	1-HR	ALL	1ST	T1	18112713
										UCAR	
325640	461172	3.662158	0.000135	0	0	0	1-HR	ALL	1ST	T1	18112713
	4044=0	0.404000	0.000040							UCAR	10100010
325740	461172	3.161389	0.000213	0	0	0	1-HR	ALL	1ST	T1	18102613
325840	461172	3.272087	0.000288	0	0	0	1-HR	ALL	1ST	UCAR T1	18102613
323040	401172	3.272007	0.000200	0	U	U	I-UU	ALL	131	UCAR	10102013
325940	461172	2.914746	0.000141	0	0	0	1-HR	ALL	1ST	T1	18031218
020010	101172	2.011710	0.000111	3				7 (22	101	UCAR	10001210
326040	461172	3.503338	0.000229	0	0	0	1-HR	ALL	1ST	T1	18102616
										UCAR	
326140	461172	3.847743	0.000355	0	0	0	1-HR	ALL	1ST	T1	18102616
										UCAR	
326240	461172	3.722878	0.000331	0	0	0	1-HR	ALL	1ST	T1	18012415
000040	401170	0.000450	0.000004	0	_		4 110		101	UCAR	10111010
326340	461172	3.633456	0.000234	0	0	0	1-HR	ALL	1ST	T1 UCAR	18111219
326440	461172	3.789207	0.000175	0	0	0	1-HR	ALL	1ST	T1	18032922
020440	401172	0.700207	0.000173	0	0	0	1 1111	/ \	101	UCAR	10002322
326540	461172	3.424681	0.000084	0	0	0	1-HR	ALL	1ST	T1	18092804
										UCAR	
326640	461172	3.466598	0.00031	0	0	0	1-HR	ALL	1ST	T1	18102614
										UCAR	
326740	461172	2.994152	0.000163	0	0	0	1-HR	ALL	1ST	T1	18102614
000040	4044=0	4 500005	0.00040=							UCAR	4040004
326840	461172	1.502837	0.000197	0	0	0	1-HR	ALL	1ST	T1	18100221
326940	461172	2 024707	0 000339	0	0	0	1-HR	A1.1	1ST	UCAR T1	19021522
320940	4011/2	2.934707	0.000338	0	U	U	1-NK	ALL	101	UCAR	18031523
327040	461172	1.886292	0.000378	0	0	0	1-HR	ALL	1ST	T1	18031524
327010	.01172	1.550202	0.000070	0	<u> </u>	<u> </u>		,	1.01	UCAR	10001024
327140	461172	3.395402	0.000337	0	0	0	1-HR	ALL	1ST	T1	18031522

327240	461172	4.213359	0.000128	0	0	0	1-HR	ALL	1ST	UCAR T1	18031522
327340	461172	2.776202	0.000236	0	0	0	1-HR	ALL	1ST	UCAR T1	18112124
327440	461172	2.778081	0.00023	0	0	0	1-HR	ALL	1ST	UCAR T1	18112124
										UCAR	
327540	461172	3.277369	0.000127	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112124
327640	461172	3.080646	0.00016	0	0	0	1-HR	ALL	1ST	T1	18111218
327740	461172	2.845496	0.000206	0	0	0	1-HR	ALL	1ST	UCAR T1	18120316
327840	461172	3.561634	0.000209	0	0	0	1-HR	ALL	1ST	UCAR T1	18120316
327940	461172	3.560719	0.000131	0	0	0	1-HR	ALL	1ST	UCAR T1	18120316
328040	461172	3.147541	0.000115	0	0	0	1-HR	ALL	1ST	UCAR T1	18092815
328140	461172	3.183592	0.000137	0	0	0	1-HR	ALL	1ST	UCAR T1	18092815
328240	461172	2.747014	0.000115	0	0	0	1-HR	ALL	1ST	UCAR T1	18092815
										UCAR	
328340	461172	2.624304	0.000124	0	0	0	1-HR	ALL	1ST	T1 UCAR	18091622
328440	461172	2.964987	0.000089	0	0	0	1-HR	ALL	1ST	T1	18091622
328540	461172	2.988114	0.000108	0	0	0	1-HR	ALL	1ST	UCAR T1	18052614
324540	461272	2.663327	0.000125	0	0	0	1-HR	ALL	1ST	UCAR T1	18022802
324640	461272	2.686706	0.000119	0	0	0	1-HR	ALL	1ST	UCAR T1	18022802
324740	461272	2.936069	0.000113	0	0	0	1-HR	ALL	1ST	UCAR T1	18022724

										UCAR	
324840	461272	2.714649	0.000109	0	0	0	1-HR	ALL	1ST	T1	18030514
										UCAR	
324940	461272	2.713992	0.000126	0	0	0	1-HR	ALL	1ST	T1	18030514
				_	_	_				UCAR	
325040	461272	2.51912	0.000115	0	0	0	1-HR	ALL	1ST	T1	18111220
325140	461272	3.157534	0.000142	0	0	0	1-HR	ALL	1ST	UCAR T1	18111220
323140	401212	3.137334	0.000142	0	U	0	1-HIN	ALL	131	UCAR	10111220
325240	461272	2.716982	0.000107	0	0	0	1-HR	ALL	1ST	T1	18111220
	-			-						UCAR	
325340	461272	3.033793	0.000097	0	0	0	1-HR	ALL	1ST	T1	18021517
										UCAR	
325440	461272	2.702049	0.00013	0	0	0	1-HR	ALL	1ST	T1	18031323
205540	401070	0.010000	0.000144		0	_	1 110	A11	1CT	UCAR	10110710
325540	461272	3.313683	0.000144	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112713
325640	461272	3.079727	0.000167	0	0	0	1-HR	ALL	1ST	T1	18112713
0200.0	101272	0.07.0727	01000107			J		,	1.0.	UCAR	10112710
325740	461272	3.709397	0.000165	0	0	0	1-HR	ALL	1ST	T1	18021524
										UCAR	
325840	461272	2.51044	0.000327	0	0	0	1-HR	ALL	1ST	T1	18102613
005040	404070	0.000140	0.00000		0		4 110		40T	UCAR	10010110
325940	461272	3.689148	0.00023	0	0	0	1-HR	ALL	1ST	T1 UCAR	18012416
326040	461272	3.852586	0.000142	0	0	0	1-HR	ALL	1ST	T1	18031217
020010	101272	0.002000	0.000112			0	1 1111	/ \	101	UCAR	10001217
326140	461272	3.639492	0.000449	0	0	0	1-HR	ALL	1ST	T1	18102616
										UCAR	
326240	461272	3.410879	0.000301	0	0	0	1-HR	ALL	1ST	T1	18012415
										UCAR	
326340	461272	3.386047	0.000221	0	0	0	1-HR	ALL	1ST	T1	18111219
226440	461070	4.015752	0.000187	0	_	0	1-HR	A11	1ST	UCAR T1	19022022
326440	461272	4.015753	0.000187	0	0	0	I-UK	ALL	101	111	18032922

										UCAR	
326540	461272	3.557938	0.000092	0	0	0	1-HR	ALL	1ST	T1	18092804
										UCAR	
326640	461272	3.41245	0.000353	0	0	0	1-HR	ALL	1ST	T1	18102614
326740	461272	2.686232	0.000131	0	0	0	1-HR	ALL	1ST	UCAR T1	18102614
020140	401272	2.000202	0.000101	<u> </u>	0	0	1 1111	/ \	101	UCAR	10102014
326840	461272	2.046977	0.000289	0	0	0	1-HR	ALL	1ST	T1	18031523
										UCAR	
326940	461272	2.449942	0.000368	0	0	0	1-HR	ALL	1ST	T1	18031601
327040	461272	2.910581	0.000479	0	0	0	1-HR	ALL	1ST	UCAR T1	18031524
027040	401272	2.510001	0.000+73	<u> </u>	0	0	1 1111	/ \	101	UCAR	10001024
327140	461272	3.790621	0.00028	0	0	0	1-HR	ALL	1ST	T1	18031522
										UCAR	
327240	461272	3.709466	0.00022	0	0	0	1-HR	ALL	1ST	T1	18112124
007040	404070	0.0474.00	0.000074	0	0		4 115		107	UCAR	10110101
327340	461272	2.247166	0.000274	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112124
327440	461272	3.307734	0.000175	0	0	0	1-HR	ALL	1ST	T1	18112124
	-									UCAR	_
327540	461272	3.095057	0.000151	0	0	0	1-HR	ALL	1ST	T1	18111218
				_	_					UCAR	
327640	461272	3.049309	0.000227	0	0	0	1-HR	ALL	1ST	T1	18111218
327740	461272	3.646716	0.00023	0	0	0	1-HR	ALL	1ST	UCAR T1	18120316
327740	401272	3.040710	0.00023	<u> </u>	U	0	1-1111	ALL	101	UCAR	10120310
327840	461272	3.585992	0.00014	0	0	0	1-HR	ALL	1ST	T1	18120316
										UCAR	
327940	461272	3.271646	0.000132	0	0	0	1-HR	ALL	1ST	T1	18092815
200015	4040=5	0.004045		_	_					UCAR	
328040	461272	3.031948	0.000147	0	0	0	1-HR	ALL	1ST	T1	18092815
328140	461979	2 706527	0.000125	0	0	0	1-HR	ALL	1ST	UCAR T1	19001600
328140	461272	2.706537	0.000125	0	U	U	I-HK	ALL	191	11	18091622

	I									LICAD	
328240	461272	2.943103	0.000124	0	0	0	1-HR	ALL	1ST	UCAR T1	18091622
020210	101272	2.010100	0.000121			0	1 1111	/ \	101	UCAR	10001022
328340	461272	3.155661	0.000101	0	0	0	1-HR	ALL	1ST	T1	18052614
										UCAR	
328440	461272	3.049507	0.000127	0	0	0	1-HR	ALL	1ST	T1	18052614
										UCAR	
328540	461272	2.68805	0.000138	0	0	0	1-HR	ALL	1ST	T1	18091621
										UCAR	
324540	461372	2.848412	0.000154	0	0	0	1-HR	ALL	1ST	T1	18102617
				_	_					UCAR	
324640	461372	2.901839	0.00012	0	0	0	1-HR	ALL	1ST	T1	18030515
004=40	404070	0 = 400 4=	0.00044							UCAR	4000000
324740	461372	2.719045	0.00014	0	0	0	1-HR	ALL	1ST	T1	18022802
004040	404070	0.000000	0.000110		_		4 110	A	100	UCAR	10000700
324840	461372	2.933886	0.000119	0	0	0	1-HR	ALL	1ST	T1	18022723
224040	461070	0.066500	0.000107		0	0	1-HR	A1 1	1ST	UCAR T1	10000704
324940	461372	2.866593	0.000107	0	U	U	I-UL	ALL	101	UCAR	18022724
325040	461372	2.839334	0.000138	0	0	0	1-HR	ALL	1ST	T1	18030514
323040	401372	2.003004	0.000130	0	U	0	1-1111	ALL	101	UCAR	10030314
325140	461372	2.626143	0.000111	0	0	0	1-HR	ALL	1ST	T1	18030514
020110	101072	2.020110	0.000111		0	0	1 1111	/ \	101	UCAR	10000011
325240	461372	3.215836	0.000155	0	0	0	1-HR	ALL	1ST	T1	18111220
5_5_10		012.7000								UCAR	7011122
325340	461372	2.965529	0.000125	0	0	0	1-HR	ALL	1ST	T1	18111220
										UCAR	
325440	461372	3.155288	0.000105	0	0	0	1-HR	ALL	1ST	T1	18021517
										UCAR	
325540	461372	2.791993	0.000141	0	0	0	1-HR	ALL	1ST	T1	18031323
										UCAR	
325640	461372	3.22678	0.000169	0	0	0	1-HR	ALL	1ST	T1	18112713
										UCAR	
325740	461372	3.138116	0.000184	0	0	0	1-HR	ALL	1ST	T1	18112713

										UCAR	
325840	461372	3.78388	0.00018	0	0	0	1-HR	ALL	1ST	T1	18102613
				_	_	_				UCAR	
325940	461372	3.561635	0.000375	0	0	0	1-HR	ALL	1ST	T1	18102613
000040	401070	0.45700	0.000100	0	_		4 110		101	UCAR	10001010
326040	461372	3.15762	0.000166	0	0	0	1-HR	ALL	1ST	T1 UCAR	18031218
326140	461372	3.94921	0.000398	0	0	0	1-HR	ALL	1ST	T1	18102616
020110	101072	0.01021	0.000000	0	-	0	1 1111	7122	101	UCAR	10102010
326240	461372	3.519882	0.00024	0	0	0	1-HR	ALL	1ST	T1	18102616
										UCAR	
326340	461372	3.713269	0.000308	0	0	0	1-HR	ALL	1ST	T1	18012415
										UCAR	
326440	461372	4.144018	0.000233	0	0	0	1-HR	ALL	1ST	T1	18111219
000540	404070	0.005007	0.000101	0	0		4 115		40T	UCAR	10000004
326540	461372	3.665267	0.000101	0	0	0	1-HR	ALL	1ST	T1 UCAR	18092804
326640	461372	3.446556	0.000402	0	0	0	1-HR	ALL	1ST	T1	18102614
320040	+01072	0.440300	0.000+02	0	0	0	1 1111	ALL	101	UCAR	10102014
326740	461372	2.221158	0.00011	0	0	0	1-HR	ALL	1ST	T1	18021521
										UCAR	
326840	461372	2.515742	0.000409	0	0	0	1-HR	ALL	1ST	T1	18031523
										UCAR	
326940	461372	1.584086	0.000417	0	0	0	1-HR	ALL	1ST	T1	18031601
007040	404070	0.474070	0.000404	0			4 115		40T	UCAR	10001500
327040	461372	3.474876	0.000434	0	0	0	1-HR	ALL	1ST	T1 UCAR	18031522
327140	461372	4.637367	0.000177	0	0	0	1-HR	ALL	1ST	T1	18112124
327140	401372	4.037307	0.000177	0	U	0	1-1111	ALL	101	UCAR	10112124
327240	461372	2.146378	0.000306	0	0	0	1-HR	ALL	1ST	T1	18112124
3=1=10			210000							UCAR	
327340	461372	3.184012	0.000237	0	0	0	1-HR	ALL	1ST	T1	18112124
										UCAR	
327440	461372	2.988932	0.000153	0	0	0	1-HR	ALL	1ST	T1	18120315

										UCAR	
327540	461372	3.317478	0.000254	0	0	0	1-HR	ALL	1ST	T1	18111218
										UCAR	
327640	461372	3.700332	0.000256	0	0	0	1-HR	ALL	1ST	T1	18120316
										UCAR	
327740	461372	3.562322	0.000149	0	0	0	1-HR	ALL	1ST	T1	18120316
										UCAR	
327840	461372	3.330477	0.000152	0	0	0	1-HR	ALL	1ST	T1	18092815
										UCAR	
327940	461372	3.031525	0.000154	0	0	0	1-HR	ALL	1ST	T1	18092815
000040	404070	0.705000	0.0001.10				4 115		407	UCAR	10001000
328040	461372	2.735686	0.000146	0	0	0	1-HR	ALL	1ST	T1	18091622
200140	401070	0.007000	0.000110		0	_	4 110	A1.1	1 C T	UCAR	10001000
328140	461372	3.297636	0.000112	0	0	0	1-HR	ALL	1ST	T1 UCAR	18091622
328240	461372	3.41236	0.000132	0	0	0	1-HR	ALL	1ST	T1	18052614
320240	401372	3.41230	0.000132	0	U	0	1-1111	ALL	101	UCAR	10032014
328340	461372	2.87434	0.000148	0	0	0	1-HR	ALL	1ST	T1	18091621
020040	401072	2.07 404	0.000140		0	0	1 1111	/ \	101	UCAR	10031021
328440	461372	2.798098	0.000173	0	0	0	1-HR	ALL	1ST	T1	18032920
920110	10107		0.000.70						1.0.	UCAR	
328540	461372	2.708064	0.000174	0	0	0	1-HR	ALL	1ST	T1	18032920
										UCAR	
324540	461472	2.684232	0.000108	0	0	0	1-HR	ALL	1ST	T1	18102617
										UCAR	
324640	461472	2.787034	0.000163	0	0	0	1-HR	ALL	1ST	T1	18102617
										UCAR	
324740	461472	2.995289	0.000166	0	0	0	1-HR	ALL	1ST	T1	18102617
										UCAR	
324840	461472	2.902575	0.000138	0	0	0	1-HR	ALL	1ST	T1	18022802
				_	_	_			1	UCAR	
324940	461472	2.708144	0.00015	0	0	0	1-HR	ALL	1ST	T1	18022802
005010	404.470	0.004.00	0.000101		_		4 115		4.0.	UCAR	40000764
325040	461472	3.06109	0.000134	0	0	0	1-HR	ALL	1ST	T1	18022724

325140	461472	2.856639	0.000139	0	0	0	1-HR	ALL	1ST	UCAR T1	18030514
325240	461472	3.006451	0.000141	0	0	0	1-HR	ALL	1ST	UCAR T1	18030514
325340	461472	3.167422	0.000167	0	0	0	1-HR	ALL	1ST	UCAR T1	18111220
325440	461472	3.233434	0.000147	0	0	0	1-HR	ALL	1ST	UCAR T1	18111220
325540	461472	3.346395	0.000147	0	0	0	1-HR	ALL	1ST	UCAR T1	
										UCAR	18021517
325640	461472	2.988235	0.000154	0	0	0	1-HR	ALL	1ST	T1 UCAR	18031323
325740	461472	3.272253	0.000199	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112713
325840	461472	3.566615	0.000199	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112713
325940	461472	3.260438	0.000347	0	0	0	1-HR	ALL	1ST	T1 UCAR	18102613
326040	461472	4.226637	0.000282	0	0	0	1-HR	ALL	1ST	T1 UCAR	18012416
326140	461472	4.284941	0.00022	0	0	0	1-HR	ALL	1ST	T1 UCAR	18102616
326240	461472	4.027754	0.000465	0	0	0	1-HR	ALL	1ST	T1	18102616
326340	461472	4.295935	0.000434	0	0	0	1-HR	ALL	1ST	UCAR T1	18012415
326440	461472	4.098524	0.000292	0	0	0	1-HR	ALL	1ST	UCAR T1	18111219
326540	461472	3.726227	0.000113	0	0	0	1-HR	ALL	1ST	UCAR T1	18092804
326640	461472	3.686826	0.000451	0	0	0	1-HR	ALL	1ST	UCAR T1	18102614
326740	461472	1.625956	0.000148	0	0	0	1-HR	ALL	1ST	UCAR T1	18022415

										UCAR	
326840	461472	2.61544	0.000492	0	0	0	1-HR	ALL	1ST	T1	18031523
020040	401472	2.01044	0.000+32		0	0	1 1111	/\	101	UCAR	10001020
326940	461472	2.322212	0.000604	0	0	0	1-HR	ALL	1ST	T1	18031524
										UCAR	
327040	461472	4.070664	0.000367	0	0	0	1-HR	ALL	1ST	T1	18031522
007440	404 470	0.570405	0.000005				4 110		407	UCAR	10110101
327140	461472	3.576185	0.000305	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112124
327240	461472	2.853878	0.000311	0	0	0	1-HR	ALL	1ST	T1	18112124
327240	701772	2.033070	0.000011		0	0	1 1111	ALL	101	UCAR	10112124
327340	461472	2.983339	0.000163	0	0	0	1-HR	ALL	1ST	T1	18120315
										UCAR	
327440	461472	3.57084	0.000283	0	0	0	1-HR	ALL	1ST	T1	18111218
007540	404.470	0.7054	0.00000				4 115		407	UCAR	10100010
327540	461472	3.7051	0.000286	0	0	0	1-HR	ALL	1ST	T1 UCAR	18120316
327640	461472	3.469197	0.000159	0	0	0	1-HR	ALL	1ST	T1	18120316
027040	401472	0.400101	0.000100		0	0	1 1111	/ \	101	UCAR	10120010
327740	461472	3.287827	0.000174	0	0	0	1-HR	ALL	1ST	T1	18092815
										UCAR	
327840	461472	3.088521	0.000157	0	0	0	1-HR	ALL	1ST	T1	18092815
007040	404 470	0.44.0005	0.000155				4 110		407	UCAR	10001000
327940	461472	3.116235	0.000155	0	0	0	1-HR	ALL	1ST	T1	18091622
328040	461472	3.605968	0.000124	0	0	0	1-HR	ALL	1ST	UCAR T1	18052614
020040	401472	0.000000	0.000124		0	0	1 1111	/ \	101	UCAR	10002014
328140	461472	3.3999	0.000154	0	0	0	1-HR	ALL	1ST	T1	18052614
										UCAR	
328240	461472	2.897364	0.000189	0	0	0	1-HR	ALL	1ST	T1	18032920
200040	4044=0		0.00004						40-	UCAR	4000000
328340	461472	2.833632	0.000201	0	0	0	1-HR	ALL	1ST	T1	18032920
328440	461472	2.759771	0.000173	0	0	0	1-HR	ALL	1ST	UCAR T1	18032920
320440	4014/2	2./38//1	0.000173	<u> </u>	<u> </u>	U	I-UK	ALL	131	111	10032320

										UCAR	
328540	461472	2.77564	0.000126	0	0	0	1-HR	ALL	1ST	T1	18032920
										UCAR	
324540	461572	2.690535	0.000154	0	0	0	1-HR	ALL	1ST	T1	18032016
				_						UCAR	
324640	461572	2.718339	0.000139	0	0	0	1-HR	ALL	1ST	T1	18032016
004740	404570	0.704000	0.000101				4 110	A 1 1	101	UCAR	10100017
324740	461572	2.734883	0.000121	0	0	0	1-HR	ALL	1ST	T1 UCAR	18102617
324840	461572	2.846963	0.000186	0	0	0	1-HR	ALL	1ST	T1	18102617
024040	+0101L	2.0+0500	0.000100	0	0	0	1 1111	/\	101	UCAR	10102017
324940	461572	3.094227	0.000177	0	0	0	1-HR	ALL	1ST	T1	18102617
										UCAR	
325040	461572	2.916759	0.000165	0	0	0	1-HR	ALL	1ST	T1	18022802
										UCAR	
325140	461572	2.924023	0.000149	0	0	0	1-HR	ALL	1ST	T1	18022802
005040	404570	0.007540	0.000407				4 110		4.OT	UCAR	10000704
325240	461572	2.927548	0.000127	0	0	0	1-HR	ALL	1ST	T1	18022724
325340	461572	3.297885	0.00017	0	0	0	1-HR	ALL	1ST	UCAR T1	18030514
323340	401372	3.297003	0.00017	0	0	U	I-UU	ALL	131	UCAR	10030314
325440	461572	3.076447	0.000174	0	0	0	1-HR	ALL	1ST	T1	18111220
020110	101072	0.070117	0.000.7.1	<u> </u>	, ,			,	1.0.	UCAR	10111220
325540	461572	3.48404	0.000175	0	0	0	1-HR	ALL	1ST	T1	18111220
										UCAR	
325640	461572	3.561589	0.000124	0	0	0	1-HR	ALL	1ST	T1	18021517
				_						UCAR	
325740	461572	3.330626	0.000166	0	0	0	1-HR	ALL	1ST	T1	18031323
005040	404570	0.450404	0.000004				4 110		10T	UCAR	10110710
325840	461572	3.150491	0.000234	0	0	0	1-HR	ALL	1ST	T1	18112713
325940	461572	3.8707	0.00021	0	0	0	1-HR	ALL	1ST	UCAR T1	18021524
323340	401372	3.0707	0.00021	0	0	0	1-1117	ALL	101	UCAR	10021324
326040	461572	3.637961	0.00049	0	0	0	1-HR	ALL	1ST	T1	18102613
3288.0		5.557.551	3.300.10							1	

										UCAR	
326140	461572	3.62532	0.0002	0	0	0	1-HR	ALL	1ST	T1	18031218
										UCAR	
326240	461572	3.847577	0.000618	0	0	0	1-HR	ALL	1ST	T1	18102616
										UCAR	
326340	461572	4.350426	0.000512	0	0	0	1-HR	ALL	1ST	T1	18012415
000440	404570	0.70400	0.000001				4 115		407	UCAR	10111010
326440	461572	3.78429	0.000361	0	0	0	1-HR	ALL	1ST	T1	18111219
326540	461572	3.710363	0.000127	0	0	0	1-HR	ALL	1ST	UCAR T1	18092804
320340	401372	3.7 10303	0.000127	0	U	U	I-UU	ALL	131	UCAR	10092004
326640	461572	3.817105	0.000494	0	0	0	1-HR	ALL	1ST	T1	18102614
020040	401072	0.017100	0.000434	0	0	0	1 1111	/ \	101	UCAR	10102014
326740	461572	1.773742	0.000239	0	0	0	1-HR	ALL	1ST	T1	18100221
										UCAR	
326840	461572	1.997952	0.000516	0	0	0	1-HR	ALL	1ST	T1	18031601
										UCAR	
326940	461572	3.201877	0.00059	0	0	0	1-HR	ALL	1ST	T1	18031524
				_	_	_				UCAR	
327040	461572	4.887821	0.000257	0	0	0	1-HR	ALL	1ST	T1	18112124
0074.40	404570	0.050075	0.000005				4 115		400	UCAR	10110101
327140	461572	2.058375	0.000385	0	0	0	1-HR	ALL	1ST	T1	18112124
327240	461572	3.09199	0.00021	0	0	0	1-HR	ALL	1ST	UCAR T1	18112124
321240	401372	0.00100	0.00021	0	0	0	1-1111	ALL	101	UCAR	10112124
327340	461572	3.766795	0.000312	0	0	0	1-HR	ALL	1ST	T1	18111218
52.5.5	10101	0.1.007.00	0.0000:=						101	UCAR	10111210
327440	461572	3.63704	0.000323	0	0	0	1-HR	ALL	1ST	T1	18120316
										UCAR	
327540	461572	3.39112	0.000169	0	0	0	1-HR	ALL	1ST	T1	18120316
										UCAR	
327640	461572	3.140613	0.000196	0	0	0	1-HR	ALL	1ST	T1	18092815
0077.40	4045-0	0.000000	0.0001=0	_			4 115	 	407	UCAR	1010005
327740	461572	2.968089	0.000172	0	0	0	1-HR	ALL	1ST	T1	18100207

										UCAR	
327840	461572	3.568068	0.000146	0	0	0	1-HR	ALL	1ST	T1	18091622
				_						UCAR	
327940	461572	3.865658	0.000167	0	0	0	1-HR	ALL	1ST	T1	18052614
										UCAR	
328040	461572	3.009704	0.000204	0	0	0	1-HR	ALL	1ST	T1	18032920
										UCAR	
328140	461572	2.916022	0.000232	0	0	0	1-HR	ALL	1ST	T1	18032920
000040	404550	0.000=0=							4.0-	UCAR	
328240	461572	2.968505	0.000205	0	0	0	1-HR	ALL	1ST	T1	18032920
000040	404570	0.00000	0.000140		_		4 110	A	4 O.T.	UCAR	1000000
328340	461572	2.883295	0.000148	0	0	0	1-HR	ALL	1ST	T1	18032920
328440	461572	2.843538	0.000131	0	0	0	1-HR	ALL	1ST	UCAR T1	18092816
320440	401372	2.043330	0.000131	0	U	U	I-III	ALL	131	UCAR	10092010
328540	461572	3.061829	0.000149	0	0	0	1-HR	ALL	1ST	T1	18052617
320340	+01372	0.001023	0.000143	0	0	0	1 1111	ALL	101	UCAR	10032017
324540	461672	2.830783	0.000165	0	0	0	1-HR	ALL	1ST	T1	18112201
02.10.10	10.072	2,000,00	01000100					,	101	UCAR	10112201
324640	461672	2.954643	0.000174	0	0	0	1-HR	ALL	1ST	T1	18112201
										UCAR	
324740	461672	2.708458	0.000169	0	0	0	1-HR	ALL	1ST	T1	18032016
										UCAR	
324840	461672	2.724666	0.000164	0	0	0	1-HR	ALL	1ST	T1	18032016
										UCAR	
324940	461672	2.732386	0.000137	0	0	0	1-HR	ALL	1ST	T1	18102617
207242	4040=0	0.045540	0.0004.4						4.0-	UCAR	4040004=
325040	461672	2.845549	0.000214	0	0	0	1-HR	ALL	1ST	T1	18102617
005440	404070	0.00070	0.000405		_		4 110		407	UCAR	10100017
325140	461672	3.09979	0.000185	0	0	0	1-HR	ALL	1ST	T1	18102617
325240	461670	2 016040	0.000191	0	0	0	1-HR	ALL	1ST	UCAR T1	10000000
323240	461672	2.816048	0.000191	"	0	U	1-UK	ALL	101	UCAR	18022802
325340	461672	2.979961	0.000165	0	0	0	1-HR	ALL	1ST	T1	18022724
323340	4010/2	2.313301	0.000103	1 0	l U	U	1-1111	^LL	131	111	10022124

T	1	1							1.10.4 =	1
461672	3.41964	0.000184	0	0	0	1-HR	ALL	1ST	UCAR T1	18030514
									UCAR	
461672	3.405598	0.000173	0	0	0	1-HR	ALL	1ST		18111220
461672	3.671114	0.000208	0	0	0	1-HR	ALL	1ST		18111220
401070	0.70700	0.000107	0	0		4 110		1 O T		10001517
461672	3.78706	0.000137	0	U	U	I-HK	ALL	151		18021517
461672	3 670762	0 000202	0	0	_	1_UD	٨١١	1ST		18112713
401072	3.070702	0.000202	0	U	U	I-UU	ALL	131		10112/13
461672	2 751283	0.000273	0	0	0	1-HR	ALI	1ST		18112713
101072	2.701200	0.000270	<u> </u>	0	0		/ \	101		10112710
461672	3.788665	0.000307	0	0	0	1-HR	ALL	1ST		18102613
461672	4.66472	0.000364	0	0	0	1-HR	ALL	1ST	T1	18102613
									UCAR	
461672	4.217489	0.000465	0	0	0	1-HR	ALL	1ST	T1	18102616
461672	3.493022	0.000448	0	0	0	1-HR	ALL	1ST		18012415
461672	3.117609	0.000427	0	0	0	1-HR	ALL	1ST		18111219
404070	0.574040	0.0004.45	0	0		4 115		407		10000001
4616/2	3.574249	0.000145	0	0	U	I-HK	ALL	151		18092804
461670	2 722017	0.000515	0	0	_	1 UD	A11	1CT		18102614
401072	3.732017	0.000515	0	U	U	I-UU	ALL	131		10102014
461672	2 099989	0.000457	0	0	0	1-HR	ΔΙΙ	1ST		18031523
401072	2.033303	0.000437	<u> </u>	0	0	1 1111	ALL	101		10001020
461672	2.118608	0.000627	0	0	0	1-HR	ALL	1ST		18031524
	25500	3.000027						101		10001021
461672	4.075929	0.000505	0	0	0	1-HR	ALL	1ST	T1	18031522
									UCAR	
461672	2.913743	0.000428	0	0	0	1-HR	ALL	1ST	T1	18112124
	461672 461672 461672 461672 461672 461672 461672	461672 3.405598 461672 3.671114 461672 3.78706 461672 3.670762 461672 2.751283 461672 3.788665 461672 4.66472 461672 4.217489 461672 3.493022 461672 3.574249 461672 3.732817 461672 2.099989 461672 2.118608 461672 4.075929	461672 3.405598 0.000173 461672 3.671114 0.000208 461672 3.78706 0.000137 461672 3.670762 0.000202 461672 2.751283 0.000273 461672 3.788665 0.000307 461672 4.66472 0.000364 461672 3.493022 0.000465 461672 3.117609 0.000427 461672 3.574249 0.000145 461672 3.732817 0.000515 461672 2.099989 0.000627 461672 4.075929 0.000505	461672 3.405598 0.000173 0 461672 3.671114 0.000208 0 461672 3.78706 0.000137 0 461672 3.670762 0.000202 0 461672 2.751283 0.000273 0 461672 3.788665 0.000307 0 461672 4.66472 0.000364 0 461672 4.217489 0.000465 0 461672 3.493022 0.000448 0 461672 3.117609 0.000427 0 461672 3.574249 0.000145 0 461672 3.732817 0.000515 0 461672 2.099989 0.000457 0 461672 2.118608 0.000627 0 461672 4.075929 0.000505 0	461672 3.405598 0.000173 0 0 461672 3.671114 0.000208 0 0 461672 3.78706 0.000137 0 0 461672 3.670762 0.000202 0 0 461672 2.751283 0.000273 0 0 461672 3.788665 0.000307 0 0 461672 4.66472 0.000364 0 0 461672 4.217489 0.000465 0 0 461672 3.493022 0.000448 0 0 461672 3.574249 0.000427 0 0 461672 3.732817 0.000515 0 0 461672 2.099989 0.000457 0 0 461672 2.118608 0.000627 0 0 461672 4.075929 0.000505 0 0	461672 3.405598 0.000173 0 0 0 461672 3.671114 0.000208 0 0 0 461672 3.78706 0.000137 0 0 0 461672 3.670762 0.000202 0 0 0 461672 2.751283 0.000273 0 0 0 461672 3.788665 0.000307 0 0 0 461672 4.66472 0.000364 0 0 0 461672 4.217489 0.000465 0 0 0 461672 3.493022 0.000448 0 0 0 461672 3.574249 0.000445 0 0 0 461672 3.732817 0.000515 0 0 0 461672 2.099989 0.000457 0 0 0 461672 2.118608 0.000627 0 0 0 461672 4.075929 0.000505 0 0 0	461672 3.405598 0.000173 0 0 0 1-HR 461672 3.671114 0.000208 0 0 0 1-HR 461672 3.78706 0.000137 0 0 0 1-HR 461672 3.670762 0.000202 0 0 0 1-HR 461672 2.751283 0.000273 0 0 0 1-HR 461672 3.788665 0.000307 0 0 0 1-HR 461672 4.66472 0.000364 0 0 0 1-HR 461672 4.217489 0.000465 0 0 0 1-HR 461672 3.493022 0.000448 0 0 0 1-HR 461672 3.17609 0.000427 0 0 0 1-HR 461672 3.732817 0.000515 0 0 0 1-HR 461672 2.099989 0.000457 0 0 <t< td=""><td>461672 3.405598 0.000173 0 0 1-HR ALL 461672 3.671114 0.000208 0 0 0 1-HR ALL 461672 3.78706 0.000137 0 0 0 1-HR ALL 461672 3.670762 0.000202 0 0 0 1-HR ALL 461672 2.751283 0.000273 0 0 0 1-HR ALL 461672 3.788665 0.000307 0 0 0 1-HR ALL 461672 4.66472 0.000364 0 0 0 1-HR ALL 461672 4.217489 0.000465 0 0 0 1-HR ALL 461672 3.493022 0.000448 0 0 0 1-HR ALL 461672 3.574249 0.000145 0 0 0 1-HR ALL 461672 2.099989 0.000457 0 <td< td=""><td>461672 3.405598 0.000173 0 0 1-HR ALL 1ST 461672 3.671114 0.000208 0 0 0 1-HR ALL 1ST 461672 3.78706 0.000137 0 0 0 1-HR ALL 1ST 461672 3.670762 0.000202 0 0 0 1-HR ALL 1ST 461672 2.751283 0.000273 0 0 0 1-HR ALL 1ST 461672 3.788665 0.000307 0 0 0 1-HR ALL 1ST 461672 4.66472 0.000364 0 0 1-HR ALL 1ST 461672 3.493022 0.000465 0 0 1-HR ALL 1ST 461672 3.574249 0.000427 0 0 1-HR ALL 1ST 461672 3.732817 0.000515 0 0 1-HR ALL</td><td>461672 3.405598 0.000173 0 0 0 1-HR ALL 1ST T1 461672 3.671114 0.000208 0 0 0 1-HR ALL 1ST T1 461672 3.78706 0.000137 0 0 0 1-HR ALL 1ST T1 461672 3.670762 0.000202 0 0 0 1-HR ALL 1ST T1 461672 2.751283 0.000273 0 0 0 1-HR ALL 1ST T1 461672 3.788665 0.000307 0 0 0 1-HR ALL 1ST T1 461672 4.66472 0.000364 0 0 0 1-HR ALL 1ST T1 461672 4.217489 0.000465 0 0 0 1-HR ALL 1ST T1 461672 3.493022 0.000448 0 0 0 1-HR</td></td<></td></t<>	461672 3.405598 0.000173 0 0 1-HR ALL 461672 3.671114 0.000208 0 0 0 1-HR ALL 461672 3.78706 0.000137 0 0 0 1-HR ALL 461672 3.670762 0.000202 0 0 0 1-HR ALL 461672 2.751283 0.000273 0 0 0 1-HR ALL 461672 3.788665 0.000307 0 0 0 1-HR ALL 461672 4.66472 0.000364 0 0 0 1-HR ALL 461672 4.217489 0.000465 0 0 0 1-HR ALL 461672 3.493022 0.000448 0 0 0 1-HR ALL 461672 3.574249 0.000145 0 0 0 1-HR ALL 461672 2.099989 0.000457 0 <td< td=""><td>461672 3.405598 0.000173 0 0 1-HR ALL 1ST 461672 3.671114 0.000208 0 0 0 1-HR ALL 1ST 461672 3.78706 0.000137 0 0 0 1-HR ALL 1ST 461672 3.670762 0.000202 0 0 0 1-HR ALL 1ST 461672 2.751283 0.000273 0 0 0 1-HR ALL 1ST 461672 3.788665 0.000307 0 0 0 1-HR ALL 1ST 461672 4.66472 0.000364 0 0 1-HR ALL 1ST 461672 3.493022 0.000465 0 0 1-HR ALL 1ST 461672 3.574249 0.000427 0 0 1-HR ALL 1ST 461672 3.732817 0.000515 0 0 1-HR ALL</td><td>461672 3.405598 0.000173 0 0 0 1-HR ALL 1ST T1 461672 3.671114 0.000208 0 0 0 1-HR ALL 1ST T1 461672 3.78706 0.000137 0 0 0 1-HR ALL 1ST T1 461672 3.670762 0.000202 0 0 0 1-HR ALL 1ST T1 461672 2.751283 0.000273 0 0 0 1-HR ALL 1ST T1 461672 3.788665 0.000307 0 0 0 1-HR ALL 1ST T1 461672 4.66472 0.000364 0 0 0 1-HR ALL 1ST T1 461672 4.217489 0.000465 0 0 0 1-HR ALL 1ST T1 461672 3.493022 0.000448 0 0 0 1-HR</td></td<>	461672 3.405598 0.000173 0 0 1-HR ALL 1ST 461672 3.671114 0.000208 0 0 0 1-HR ALL 1ST 461672 3.78706 0.000137 0 0 0 1-HR ALL 1ST 461672 3.670762 0.000202 0 0 0 1-HR ALL 1ST 461672 2.751283 0.000273 0 0 0 1-HR ALL 1ST 461672 3.788665 0.000307 0 0 0 1-HR ALL 1ST 461672 4.66472 0.000364 0 0 1-HR ALL 1ST 461672 3.493022 0.000465 0 0 1-HR ALL 1ST 461672 3.574249 0.000427 0 0 1-HR ALL 1ST 461672 3.732817 0.000515 0 0 1-HR ALL	461672 3.405598 0.000173 0 0 0 1-HR ALL 1ST T1 461672 3.671114 0.000208 0 0 0 1-HR ALL 1ST T1 461672 3.78706 0.000137 0 0 0 1-HR ALL 1ST T1 461672 3.670762 0.000202 0 0 0 1-HR ALL 1ST T1 461672 2.751283 0.000273 0 0 0 1-HR ALL 1ST T1 461672 3.788665 0.000307 0 0 0 1-HR ALL 1ST T1 461672 4.66472 0.000364 0 0 0 1-HR ALL 1ST T1 461672 4.217489 0.000465 0 0 0 1-HR ALL 1ST T1 461672 3.493022 0.000448 0 0 0 1-HR

										UCAR	
327140	461672	2.821286	0.000311	0	0	0	1-HR	ALL	1ST	T1	18112124
027110	101072	2.02.1200	0.000011					,	1.0.	UCAR	10112121
327240	461672	3.82797	0.000337	0	0	0	1-HR	ALL	1ST	T1	18111218
										UCAR	
327340	461672	3.464609	0.000367	0	0	0	1-HR	ALL	1ST	T1	18120316
										UCAR	
327440	461672	3.344396	0.000183	0	0	0	1-HR	ALL	1ST	T1	18042417
										UCAR	
327540	461672	3.02298	0.000217	0	0	0	1-HR	ALL	1ST	T1	18092815
007040	404070	0.050400	0.000100				4 115		4.O.T	UCAR	10001000
327640	461672	3.356402	0.000196	0	0	0	1-HR	ALL	1ST	T1	18091622
207740	401070	4 000115	0.000150		^	_	4 110	A 1 1	1CT	UCAR	10050014
327740	461672	4.038115	0.000159	0	0	0	1-HR	ALL	1ST	T1 UCAR	18052614
327840	461672	3.654976	0.000212	0	0	0	1-HR	ALL	1ST	T1	18032920
327040	401072	3.034370	0.000212	0	U	0	1-1111	ALL	101	UCAR	10032320
327940	461672	3.033879	0.000267	0	0	0	1-HR	ALL	1ST	T1	18032920
027010	101072	0.000070	0.000207			Ŭ		/ \	101	UCAR	10002020
328040	461672	3.157748	0.000245	0	0	0	1-HR	ALL	1ST	T1	18032920
				-						UCAR	
328140	461672	3.069765	0.000176	0	0	0	1-HR	ALL	1ST	T1	18032920
										UCAR	
328240	461672	2.984938	0.000154	0	0	0	1-HR	ALL	1ST	T1	18052617
										UCAR	
328340	461672	3.38978	0.000168	0	0	0	1-HR	ALL	1ST	T1	18052617
										UCAR	
328440	461672	3.433354	0.000136	0	0	0	1-HR	ALL	1ST	T1	18052617
				_	_					UCAR	
328540	461672	3.095964	0.000123	0	0	0	1-HR	ALL	1ST	T1	18111217
004540	404770	0.740440	0.000440				4 115		407	UCAR	10001000
324540	461772	2.713112	0.000116	0	0	0	1-HR	ALL	1ST	T1	18021602
204640	461770	0.604606	0.000144		_	_	1 UD	A	101	UCAR	10110001
324640	461772	2.634636	0.000144	0	0	0	1-HR	ALL	1ST	T1	18112201

004740	404770	0.00700	0.00010	0	0		4 115		107	UCAR	10110001
324740	461772	2.83799	0.00018	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112201
324840	461772	3.161442	0.000203	0	0	0	1-HR	ALL	1ST	T1	18112201
										UCAR	
324940	461772	3.037539	0.0002	0	0	0	1-HR	ALL	1ST	T1	18112201
										UCAR	
325040	461772	2.663762	0.000194	0	0	0	1-HR	ALL	1ST	T1	18032016
205140	461770	2.66893	0.000157	0	0	0	1-HR	A 1 1	1ST	UCAR T1	10100617
325140	461772	2.00093	0.000157	0	U	U	1-HK	ALL	131	UCAR	18102617
325240	461772	2.742472	0.000248	0	0	0	1-HR	ALL	1ST	T1	18102617
0202.0	.01772	217 12 17 2	0.0002.0	<u> </u>		J		, ,	1.0.	UCAR	10102017
325340	461772	2.941234	0.00019	0	0	0	1-HR	ALL	1ST	T1	18030515
										UCAR	
325440	461772	2.583555	0.000205	0	0	0	1-HR	ALL	1ST	T1	18022802
005540	404770	0.500004	0.00047	0	0		4 110		10T	UCAR	10000514
325540	461772	3.539024	0.00017	0	0	0	1-HR	ALL	1ST	T1 UCAR	18030514
325640	461772	3.795032	0.000199	0	0	0	1-HR	ALL	1ST	T1	18030514
323040	701772	0.733002	0.000133	0	0	0	1 1111	ALL	101	UCAR	10000014
325740	461772	4.021125	0.000247	0	0	0	1-HR	ALL	1ST	T1	18111220
										UCAR	
325840	461772	4.198095	0.000153	0	0	0	1-HR	ALL	1ST	T1	18021517
										UCAR	
325940	461772	3.940774	0.000253	0	0	0	1-HR	ALL	1ST	T1	18112713
326040	461772	2.590769	0.000313	0	0	0	1-HR	ALL	1ST	UCAR T1	18112713
320040	401772	2.590769	0.000313	U	U	U	I-UU	ALL	131	UCAR	10112/13
326140	461772	3.121989	0.000619	0	0	0	1-HR	ALL	1ST	T1	18102613
525.15	.02	52.550	2.2323.0	<u> </u>	<u> </u>			, . <u></u>	†	UCAR	10.020.0
326240	461772	3.839298	0.000245	0	0	0	1-HR	ALL	1ST	T1	18031218
										UCAR	
326340	461772	3.321372	0.000632	0	0	0	1-HR	ALL	1ST	T1	18102616

326440	461772	2.61677	0.000458	0	0	0	1-HR	ALL	1ST	UCAR T1	18111219
326540	461772	3.261298	0.000169	0	0	0	1-HR	ALL	1ST	UCAR T1	18022018
320340	401772	3.201290	0.000109	0	U	U	1-HIN	ALL	131	UCAR	10022010
326640	461772	3.296334	0.00049	0	0	0	1-HR	ALL	1ST	T1	18102614
000740	404770	0.510404	0.000740				4 110		407	UCAR	10001500
326740	461772	2.518481	0.000742	0	0	0	1-HR	ALL	1ST	T1	18031523
326840	461772	2.4835	0.000946	0	0	0	1-HR	ALL	1ST	UCAR T1	18031524
										UCAR	
326940	461772	4.56848	0.000391	0	0	0	1-HR	ALL	1ST	T1	18112124
										UCAR	
327040	461772	2.162464	0.000447	0	0	0	1-HR	ALL	1ST	T1	18112124
										UCAR	
327140	461772	3.627039	0.000347	0	0	0	1-HR	ALL	1ST	T1	18111218
207040	401770	0.140004	0.000423	0	0	0	1-HR	A 1 1	1ST	UCAR T1	10100010
327240	461772	3.149864	0.000423	0	U	U	I-HK	ALL	151	UCAR	18120316
327340	461772	3.182683	0.000209	0	0	0	1-HR	ALL	1ST	T1	18092815
027040	401772	0.102000	0.000203	0	0	0	1 1111	/\	101	UCAR	10032013
327440	461772	2.973755	0.00025	0	0	0	1-HR	ALL	1ST	T1	18100207
92.7.79										UCAR	10100=01
327540	461772	3.912761	0.000217	0	0	0	1-HR	ALL	1ST	T1	18100207
										UCAR	
327640	461772	4.193425	0.000222	0	0	0	1-HR	ALL	1ST	T1	18052614
										UCAR	
327740	461772	2.989057	0.000305	0	0	0	1-HR	ALL	1ST	T1	18032920
007040	404==0	0.004004							4.0-	UCAR	4000000
327840	461772	3.284084	0.000297	0	0	0	1-HR	ALL	1ST	T1	18032920
327940	461772	3.230536	0.000212	0	0	0	1-HR	ALL	1ST	UCAR T1	19022020
32/940	401//2	ა. <u></u> 2ასეპნ	0.000212	0	U	U	1-UK	ALL	131	UCAR	18032920
328040	461772	3.167109	0.000185	0	0	0	1-HR	ALL	1ST	T1	18052617
020040	101772	5.157105	3.000100	U			1 1 111 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 101	' '	10002017

										UCAR	
328140	461772	3.700119	0.000188	0	0	0	1-HR	ALL	1ST	T1	18052617
	-			_						UCAR	
328240	461772	3.55947	0.000136	0	0	0	1-HR	ALL	1ST	T1	18052617
										UCAR	
328340	461772	3.259976	0.000144	0	0	0	1-HR	ALL	1ST	T1	18111217
										UCAR	
328440	461772	3.097177	0.000129	0	0	0	1-HR	ALL	1ST	T1	18111217
				_	_					UCAR	
328540	461772	3.114778	0.000113	0	0	0	1-HR	ALL	1ST	T1	18091620
004540	4040=0	0.044004	0.000101							UCAR	40000044
324540	461872	3.344624	0.000121	0	0	0	1-HR	ALL	1ST	T1	18093014
004040	404070	0.000005	0.000400				4 115		4.OT	UCAR	10000011
324640	461872	3.002905	0.000106	0	0	0	1-HR	ALL	1ST	T1	18093014
204740	401070	0.001074	0.000110		0	_	4 110	A 1 1	10T	UCAR	10001000
324740	461872	2.821874	0.000118	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021602
324840	461872	2.733716	0.000138	0	0	0	1-HR	ALL	1ST	T1	18112201
324040	401072	2.733710	0.000136	U	U	0	I-UU	ALL	131	UCAR	10112201
324940	461872	2.636164	0.000188	0	0	0	1-HR	ALL	1ST	T1	18112201
324340	401072	2.000104	0.000100	0	0	0	1-1111	ALL	101	UCAR	10112201
325040	461872	3.214793	0.000231	0	0	0	1-HR	ALL	1ST	T1	18112201
020010	101072	0.211700	0.000201		0	0	1 1111	/ \	101	UCAR	10112201
325140	461872	3.310118	0.000244	0	0	0	1-HR	ALL	1ST	T1	18112201
5_5.15		0.0.00.00								UCAR	70771
325240	461872	2.70474	0.000231	0	0	0	1-HR	ALL	1ST	T1	18032016
										UCAR	
325340	461872	2.487811	0.000182	0	0	0	1-HR	ALL	1ST	T1	18102617
										UCAR	
325440	461872	2.6163	0.000291	0	0	0	1-HR	ALL	1ST	T1	18102617
										UCAR	
325540	461872	2.667243	0.000236	0	0	0	1-HR	ALL	1ST	T1	18022802
										UCAR	
325640	461872	3.090224	0.000212	0	0	0	1-HR	ALL	1ST	T1	18022724

						I	Ι	1	1	111045	1
325740	461872	3.855019	0.000253	0	0	0	1-HR	ALL	1ST	UCAR T1	18030514
										UCAR	
325840	461872	4.272326	0.00029	0	0	0	1-HR	ALL	1ST	T1	18111220
325940	461872	4.629821	0.000171	0	0	0	1-HR	ALL	1ST	UCAR T1	18021517
023340	401072	4.023021	0.000171	0	0	0	1 1111	/\	101	UCAR	10021017
326040	461872	3.992485	0.000322	0	0	0	1-HR	ALL	1ST	T1	18112713
										UCAR	
326140	461872	3.003901	0.000344	0	0	0	1-HR	ALL	1ST	T1	18112713
326240	461872	4.519109	0.000562	0	0	0	1-HR	ALL	1ST	UCAR T1	18102613
020240	401072	4.515105	0.000002	0	0	0	1 1111	/\	101	UCAR	10102010
326340	461872	3.923413	0.000917	0	0	0	1-HR	ALL	1ST	T1	18102616
										UCAR	
326440	461872	3.238281	0.000573	0	0	0	1-HR	ALL	1ST	T1	18012415
326540	461872	3.142279	0.000205	0	0	0	1-HR	ALL	1ST	UCAR T1	18022018
320340	401072	0.142273	0.000203	0	0	U	1 1111	ALL	101	UCAR	10022010
326640	461872	2.860914	0.000388	0	0	0	1-HR	ALL	1ST	T1	18102614
										UCAR	
326740	461872	2.780521	0.000791	0	0	0	1-HR	ALL	1ST	T1	18031601
326840	461872	3.361482	0.000745	0	0	0	1-HR	ALL	1ST	UCAR T1	18031522
020040	401072	0.001402	0.0007 40	0	0	0	1 1111	/\	101	UCAR	10001322
326940	461872	2.632181	0.000591	0	0	0	1-HR	ALL	1ST	T1	18112124
										UCAR	
327040	461872	2.996062	0.000323	0	0	0	1-HR	ALL	1ST	T1	18111218
327140	461872	2.849766	0.000496	0	0	0	1-HR	ALL	1ST	UCAR T1	18120316
327140	401072	2.043700	0.000430	0	0	0	1-1111	ALL	101	UCAR	10120310
327240	461872	2.786772	0.000272	0	0	0	1-HR	ALL	1ST	T1	18100207
										UCAR	
327340	461872	3.147803	0.000304	0	0	0	1-HR	ALL	1ST	T1	18100207

327440											UCAR	
327540	327440	461872	4.224723	0.000231	0	0	0	1-HR	ALL	1ST		18100207
327640 461872 3.264186 0.000365 0 0 0 1-HR ALL 1ST T1 18032920											UCAR	
327640	327540	461872	3.490216	0.000341	0	0	0	1-HR	ALL	1ST		18032920
327740												
327740	327640	461872	3.264186	0.000365	0	0	0	1-HR	ALL	1ST		18032920
327840					_	_	_					
327840 461872 3.489378 0.000225 0 0 0 1-HR ALL 1ST T1 18052617 327940 461872 3.92017 0.000206 0 0 0 1-HR ALL 1ST T1 18052617 328040 461872 3.54847 0.000166 0 0 0 1-HR ALL 1ST T1 18111217 328140 461872 3.396024 0.00016 0 0 0 1-HR ALL 1ST T1 18111217 328240 461872 3.386578 0.000136 0 0 1-HR ALL 1ST T1 18091620 328340 461872 3.226554 0.000143 0 0 1-HR ALL 1ST T1 18112123 328540 461872 2.984058 0.000161 0 0 0 1-HR ALL 1ST T1 18112123 328540 461872 2.793527	327740	461872	3.518529	0.00026	0	0	0	1-HR	ALL	1ST		18032920
327940	007040	404070	0.400070	0.000005				4 115		400		10050017
327940	327840	4618/2	3.489378	0.000225	0	0	0	1-HK	ALL	151		18052617
328040 461872 3.54847 0.000166 0 0 0 1-HR ALL 1ST T1 18111217 328140 461872 3.396024 0.00016 0 0 0 1-HR ALL 1ST T1 18111217 328240 461872 3.386578 0.000136 0 0 0 1-HR ALL 1ST T1 18091620 328340 461872 3.226554 0.000143 0 0 0 1-HR ALL 1ST T1 18112123 328440 461872 2.984058 0.000161 0 0 0 1-HR ALL 1ST T1 18112123 328540 461872 2.793527 0.000154 0 0 0 1-HR ALL 1ST T1 18112123	227040	461970	2 02017	0.000006		_	_	4 UD	A1 1	10T		10050617
328040 461872 3.54847 0.000166 0 0 0 1-HR ALL 1ST T1 18111217 328140 461872 3.396024 0.00016 0 0 0 1-HR ALL 1ST T1 18111217 328240 461872 3.386578 0.000136 0 0 0 1-HR ALL 1ST T1 18091620 328340 461872 3.226554 0.000143 0 0 0 1-HR ALL 1ST T1 18112123 328440 461872 2.984058 0.000161 0 0 0 1-HR ALL 1ST T1 18112123 328540 461872 2.793527 0.000154 0 0 0 1-HR ALL 1ST T1 18112123	327940	4010/2	3.92017	0.000206	0	U	U	I-DK	ALL	101		16032617
328140 461872 3.396024 0.00016 0 0 0 1-HR ALL 1ST T1 18111217 328240 461872 3.386578 0.000136 0 0 0 1-HR ALL 1ST T1 18091620 328340 461872 3.226554 0.000143 0 0 0 1-HR ALL 1ST T1 18112123 328440 461872 2.984058 0.000161 0 0 0 1-HR ALL 1ST T1 18112123 328540 461872 2.793527 0.000154 0 0 0 1-HR ALL 1ST T1 18112123	328040	461872	3 54847	0.000166	0	0	0	1 ₋ HR	ΔΙΙ	1ST		18111217
328140 461872 3.396024 0.00016 0 0 0 1-HR ALL 1ST T1 18111217 328240 461872 3.386578 0.000136 0 0 0 1-HR ALL 1ST T1 18091620 328340 461872 3.226554 0.000143 0 0 0 1-HR ALL 1ST T1 18112123 328440 461872 2.984058 0.000161 0 0 0 1-HR ALL 1ST T1 18112123 328540 461872 2.793527 0.000154 0 0 0 1-HR ALL 1ST T1 18112123	320070	+01072	0.04047	0.000100		0		1 1111	ALL	101		10111217
328240 461872 3.386578 0.000136 0 0 0 1-HR ALL 1ST T1 18091620 328340 461872 3.226554 0.000143 0 0 0 1-HR ALL 1ST T1 18112123 328440 461872 2.984058 0.000161 0 0 0 1-HR ALL 1ST T1 18112123 328540 461872 2.793527 0.000154 0 0 0 1-HR ALL 1ST T1 18112123 UCAR UCAR UCAR UCAR UCAR UCAR 18112123	328140	461872	3.396024	0.00016	0	0	0	1-HR	ALL	1ST		18111217
328240 461872 3.386578 0.000136 0 0 0 1-HR ALL 1ST T1 18091620 328340 461872 3.226554 0.000143 0 0 0 1-HR ALL 1ST T1 18112123 328440 461872 2.984058 0.000161 0 0 0 1-HR ALL 1ST T1 18112123 328540 461872 2.793527 0.000154 0 0 0 1-HR ALL 1ST T1 18112123 UCAR UCAR UCAR UCAR UCAR UCAR UCAR	0_0.10	10107=	0.0000	0.000.0						101		
328340 461872 3.226554 0.000143 0 0 0 1-HR ALL 1ST T1 18112123 328440 461872 2.984058 0.000161 0 0 0 1-HR ALL 1ST T1 18112123 328540 461872 2.793527 0.000154 0 0 0 1-HR ALL 1ST T1 18112123 UCAR UCAR UCAR	328240	461872	3.386578	0.000136	0	0	0	1-HR	ALL	1ST		18091620
328440 461872 2.984058 0.000161 0 0 0 1-HR ALL 1ST T1 18112123 328540 461872 2.793527 0.000154 0 0 0 1-HR ALL 1ST T1 18112123 UCAR T1 18112123											UCAR	
328440 461872 2.984058 0.000161 0 0 0 1-HR ALL 1ST T1 18112123 328540 461872 2.793527 0.000154 0 0 0 1-HR ALL 1ST T1 18112123 UCAR UCAR UCAR	328340	461872	3.226554	0.000143	0	0	0	1-HR	ALL	1ST	T1	18112123
328540 461872 2.793527 0.000154 0 0 0 1-HR ALL 1ST T1 18112123 UCAR												
328540 461872 2.793527 0.000154 0 0 0 1-HR ALL 1ST T1 18112123	328440	461872	2.984058	0.000161	0	0	0	1-HR	ALL	1ST		18112123
UCAR					_	_						
	328540	461872	2.793527	0.000154	0	0	0	1-HR	ALL	151		18112123
	004540	404070	0.040704	0.000150			_	4 115	A	4.OT		10000014
324540 461972 3.340764 0.000158 0 0 0 1-HR ALL 1ST T1 18093014	324540	461972	3.340764	0.000158	0	U	U	I-HK	ALL	151		18093014
	224640	461072	2 905906	0.000167	0	0	0	1 ⊔D	٨١١	1CT		18093014
324040 401972 3.803890 0.000107 0 0 0 1-HR ALL 131 11 18093014	324040	401372	3.003030	0.000107	0	0	U	1-HIN	ALL	131		10093014
	324740	461972	4 10357	0.000168	0	0	0	1-HR	ΔΙΙ	1ST		18093014
324740 401972 4.10337 0.000100 0 0 0 14111 ALL 131 11 10093014	02+1+0	701012	7.10007	0.000100		J 3		1 1111	/ \	101		10000014
	324840	461972	4.118979	0.00016	0	0	0	1-HR	ALL	1ST		18093014
SE 16 16 16 16 16 16 16 16 16 16 16 16 16	32.310	.0.072	537.6	2.22210						1.0.		
	324940	461972	3.765362	0.000142	0	0	0	1-HR	ALL	1ST		18093014

										UCAR	
325040	461972	3.043534	0.000138	0	0	0	1-HR	ALL	1ST	T1	18021602
										UCAR	
325140	461972	2.5881	0.000185	0	0	0	1-HR	ALL	1ST	T1	18112201
										UCAR	
325240	461972	2.965706	0.000253	0	0	0	1-HR	ALL	1ST	T1	18112201
205240	404070	0.00004								UCAR	40440004
325340	461972	3.392681	0.000297	0	0	0	1-HR	ALL	1ST	T1	18112201
005440	404070	0.000004	0.000070				4 110	A 1 1	100	UCAR	10110001
325440	461972	2.929884	0.000279	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112201
325540	461972	2.045483	0.000215	0	0	0	1-HR	ALL	1ST	T1	18102617
323340	401372	2.043403	0.000213	0	0	0	1-1111	ALL	101	UCAR	10102017
325640	461972	2.2378	0.000344	0	0	0	1-HR	ALL	1ST	T1	18102617
0200.0	101072	2,20,70	0.00001.			J		,	1.0.	UCAR	10102017
325740	461972	2.114096	0.000293	0	0	0	1-HR	ALL	1ST	T1	18022802
										UCAR	
325840	461972	3.924663	0.000257	0	0	0	1-HR	ALL	1ST	T1	18030514
										UCAR	
325940	461972	4.086389	0.000323	0	0	0	1-HR	ALL	1ST	T1	18111220
										UCAR	
326040	461972	4.910912	0.000201	0	0	0	1-HR	ALL	1ST	T1	18021313
200140	401070	0.540144	0.000410	0	_	_	1 110	A11	10T	UCAR	10110710
326140	461972	3.549144	0.000416	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112713
326240	461972	3.231884	0.000644	0	0	0	1-HR	ALL	1ST	T1	18102613
320240	T01372	0.201004	0.000044	0	0	0	1 1111	ALL	101	UCAR	10102013
326340	461972	3.684668	0.00044	0	0	0	1-HR	ALL	1ST	T1	18102616
0_00.0		0.00.000	0.0001.						1.0.	UCAR	10.020.0
326440	461972	3.378798	0.000941	0	0	0	1-HR	ALL	1ST	T1	18012415
										UCAR	
326540	461972	3.553858	0.000254	0	0	0	1-HR	ALL	1ST	T1	18022018
										UCAR	
326640	461972	3.427309	0.00029	0	0	0	1-HR	ALL	1ST	T1	18022415

										UCAR	
326740	461972	3.341483	0.001349	0	0	0	1-HR	ALL	1ST	T1	18031524
000040	404070	0.000007	0.000007	0	0	0	4 115		407	UCAR	10110101
326840	461972	3.329937	0.000637	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112124
326940	461972	2.933391	0.000406	0	0	0	1-HR	ALL	1ST	T1	18112124
										UCAR	
327040	461972	3.290567	0.000594	0	0	0	1-HR	ALL	1ST	T1	18120316
327140	461972	2.561495	0.000366	0	0	0	1-HR	ALL	1ST	UCAR T1	18100207
327140	401372	2.301433	0.000300	0	<u> </u>	U	1-1111	ALL	101	UCAR	10100207
327240	461972	3.734697	0.00036	0	0	0	1-HR	ALL	1ST	T1	18100207
007040	404070	0.040704	0.000001	•	•		4 115		407	UCAR	4000000
327340	461972	3.949731	0.000361	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032920
327440	461972	2.952322	0.000455	0	0	0	1-HR	ALL	1ST	T1	18032920
										UCAR	
327540	461972	3.832369	0.000327	0	0	0	1-HR	ALL	1ST	T1	18032920
327640	461972	3.818492	0.000278	0	0	0	1-HR	ALL	1ST	UCAR T1	18052617
327040	401972	3.010492	0.000276	0	0	U	1-1111	ALL	131	UCAR	10032017
327740	461972	3.905491	0.000215	0	0	0	1-HR	ALL	1ST	T1	18052617
00=040	4040=0	0.0004==		,						UCAR	10111017
327840	461972	3.839175	0.000201	0	0	0	1-HR	ALL	1ST	T1 UCAR	18111217
327940	461972	3.564249	0.000167	1.4	1.4	0	1-HR	ALL	1ST	T1	18091620
										UCAR	
328040	461972	3.406662	0.000175	2.9	2.9	0	1-HR	ALL	1ST	T1	18112123
328140	461070	2 120010	0.000195	3.6	3.6	0	1-HR	ALL	1ST	UCAR T1	10110100
320140	461972	3.129019	0.000195	ა.ხ	ა.ხ	U	I-UK	ALL	101	UCAR	18112123
328240	461972	3.068521	0.000176	1.1	1.1	0	1-HR	ALL	1ST	T1	18112123
										UCAR	
328340	461972	2.992918	0.000182	0	0	0	1-HR	ALL	1ST	T1	18111214

										LICAD	
328440	461972	3.092727	0.000173	0	0	0	1-HR	ALL	1ST	UCAR T1	18111214
020110	101072	0.002.2.	0.000170					,	1.0.	UCAR	10111211
328540	461972	3.047072	0.000145	0	0	0	1-HR	ALL	1ST	T1	18072401
										UCAR	
324540	462072	2.636984	0.000117	0	0	0	1-HR	ALL	1ST	T1	18021217
										UCAR	
324640	462072	2.823361	0.000133	0	0	0	1-HR	ALL	1ST	T1	18093014
				_	_					UCAR	
324740	462072	2.903968	0.000159	0	0	0	1-HR	ALL	1ST	T1	18093014
004040	400070	0.004004	0.000400				4 115		400	UCAR	10000011
324840	462072	3.304621	0.000183	0	0	0	1-HR	ALL	1ST	T1	18093014
204040	400070	4 000000	0.000004		^	_	4 110	A 1 1	101	UCAR	10000014
324940	462072	4.069228	0.000204	0	0	0	1-HR	ALL	1ST	T1 UCAR	18093014
325040	462072	4.711291	0.000217	0	0	0	1-HR	ALL	1ST	T1	18093014
323040	402072	4.711231	0.000217	0	U	0	1-1111	ALL	101	UCAR	10093014
325140	462072	5.00717	0.000216	0	0	0	1-HR	ALL	1ST	T1	18093014
020110	102072	0.00717	0.000210			Ŭ		7122	101	UCAR	10000011
325240	462072	4.721908	0.000198	0	0	0	1-HR	ALL	1ST	T1	18093014
				-						UCAR	
325340	462072	3.762135	0.000167	0	0	0	1-HR	ALL	1ST	T1	18021602
										UCAR	
325440	462072	2.356123	0.000258	0	0	0	1-HR	ALL	1ST	T1	18112201
										UCAR	
325540	462072	3.041605	0.000351	0	0	0	1-HR	ALL	1ST	T1	18112201
										UCAR	
325640	462072	2.907461	0.000371	0	0	0	1-HR	ALL	1ST	T1	18112201
				_	_	_		l		UCAR	
325740	462072	2.169478	0.000269	0	0	0	1-HR	ALL	1ST	T1	18112201
005040	400070	0.405050	0.000400				4 115		407	UCAR	10100017
325840	462072	2.495052	0.000403	0	0	0	1-HR	ALL	1ST	T1	18102617
005040	400070	0.700704	0.00000		_	_	1 110	A 1 1	107	UCAR	1000000
325940	462072	2.786724	0.000302	0	0	0	1-HR	ALL	1ST	T1	18022802

AERMOD DISPERSION MODEL VALIDATION STUDY SEPTEMBER 2019 Greater Male' Waste to Energy Project Environmental Impact Assessment (EIA) for the Waste to Energy Facility in Thilafushi Island, Maldives

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326040	462072	4.061162	0.000328	0	0	0	1-HR	ALL	1ST	UCAR T1	18030514
326140	462072	4.713165	0.000279	0	0	0	1-HR	ALL	1ST	UCAR T1	18110706
										UCAR	
326240	462072	4.17751	0.000543	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112713
326340	462072	3.517662	0.000989	0	0	0	1-HR	ALL	1ST	T1	18102613
326440	462072	4.204208	0.000861	0	0	0	1-HR	ALL	1ST	UCAR T1	18102616
326540	462072	3.804537	0.000325	0	0	0	1-HR	ALL	1ST	UCAR T1	18022018
										UCAR	
326640	462072	3.805752	0.000841	0	0	0	1-HR	ALL	1ST	T1 UCAR	18031523
326740	462072	4.080314	0.001265	0	0	0	1-HR	ALL	1ST	T1	18031522
326840	462072	3.243478	0.000712	0	0	0	1-HR	ALL	1ST	UCAR T1	18112124
										UCAR	
326940	462072	3.684804	0.000733	0	0	0	1-HR	ALL	1ST	T1	18120316
327040	462072	3.302907	0.000509	0	0	0	1-HR	ALL	1ST	UCAR T1	18100207
327140	462072	3.865585	0.000396	0	0	0	1-HR	ALL	1ST	UCAR T1	18100207
										UCAR	
327240	462072	3.092219	0.000576	0	0	0	1-HR	ALL	1ST	T1	18032920
327340	462072	3.922883	0.000425	0	0	0	1-HR	ALL	1ST	UCAR T1	18032920
327440	462072	4.415851	0.000346	0	0	0	1-HR	ALL	1ST	UCAR T1	18052617
327110	102072		0.000010			<u> </u>		,	101	UCAR	10002017
327540	462072	4.171352	0.000252	0	0	0	1-HR	ALL	1ST	T1	18111217
327640	462072	4.204324	0.000217	0	0	0	1-HR	ALL	1ST	UCAR T1	18111217

	I	Γ								LICAD	
327740	462072	3.628047	0.000224	0.9	0.9	0	1-HR	ALL	1ST	UCAR T1	18052616
027710	102072	0.020017	0.00022.	0.0	0.0			,	1.0.	UCAR	10002010
327840	462072	3.405902	0.000242	1.8	1.8	0	1-HR	ALL	1ST	T1	18052616
										UCAR	
327940	462072	3.412619	0.000222	2.8	2.8	0	1-HR	ALL	1ST	T1	18111214
										UCAR	
328040	462072	3.424001	0.000223	4.2	4.2	0	1-HR	ALL	1ST	T1	18111214
										UCAR	
328140	462072	3.425182	0.000183	4.6	4.6	0	1-HR	ALL	1ST	T1	18072401
										UCAR	
328240	462072	3.339065	0.000143	2.6	2.6	0	1-HR	ALL	1ST	T1	18072401
000040	400070	0.000074	0.000440				4 115		407	UCAR	10111015
328340	462072	3.382671	0.000148	0	0	0	1-HR	ALL	1ST	T1	18111215
000440	400070	0.040050	0.000400		_		4 110	A 1 1	40T	UCAR	10111015
328440	462072	3.243653	0.000163	0	0	0	1-HR	ALL	1ST	T1	18111215
220540	462072	2 000015	0.000165	_	0		1-HR	A 1 1	1ST	UCAR T1	10111015
328540	462072	2.999015	0.000165	0	U	0	I-UL	ALL	101	UCAR	18111215
324540	462172	2.214796	0.000124	0	0	0	1-HR	ALL	1ST	T1	18112716
324340	402172	2.214790	0.000124	U	U	0	1-1111	ALL	101	UCAR	10112710
324640	462172	2.42424	0.000119	0	0	0	1-HR	ALL	1ST	T1	18112716
024040	TOLITE	<i>L.</i> ¬ <i>L</i> ¬ <i>L</i> ¬	0.000113	0	0		1 1111	/\	101	UCAR	10112710
324740	462172	2.594191	0.000111	0	0	0	1-HR	ALL	1ST	T1	18112716
92.7.10			0.000					7	101	UCAR	10112110
324840	462172	2.693795	0.00011	0	0	0	1-HR	ALL	1ST	T1	18021217
										UCAR	
324940	462172	2.687041	0.000132	0	0	0	1-HR	ALL	1ST	T1	18021217
										UCAR	
325040	462172	2.698836	0.000158	0	0	0	1-HR	ALL	1ST	T1	18093014
										UCAR	
325140	462172	2.856463	0.000198	0	0	0	1-HR	ALL	1ST	T1	18093014
										UCAR	
325240	462172	3.736187	0.000239	0	0	0	1-HR	ALL	1ST	T1	18093014

										UCAR	
325340	462172	4.836926	0.000275	0	0	0	1-HR	ALL	1ST	T1	18093014
										UCAR	
325440	462172	5.657038	0.000296	0	0	0	1-HR	ALL	1ST	T1	18093014
										UCAR	
325540	462172	5.647141	0.000287	0	0	0	1-HR	ALL	1ST	T1	18093014
										UCAR	
325640	462172	4.391776	0.000241	0	0	0	1-HR	ALL	1ST	T1	18093014
				_						UCAR	
325740	462172	2.500739	0.000386	0	0	0	1-HR	ALL	1ST	T1	18112201
205040	400470	0.00000	0.000407				4 115		407	UCAR	10110001
325840	462172	2.899909	0.000497	0	0	0	1-HR	ALL	1ST	T1	18112201
005040	400470	0.000050	0.000005				4 110	A	100	UCAR	10110001
325940	462172	2.920056	0.000395	0	0	0	1-HR	ALL	1ST	T1	18112201
326040	460170	2 252272	0.000443	0	0	0	1-HR	A1 1	1ST	UCAR T1	18102617
320040	462172	3.253273	0.000443	0	U	U	I-NK	ALL	101	UCAR	10102017
326140	462172	3.709492	0.000455	0	0	0	1-HR	ALL	1ST	T1	18030514
320140	402172	3.703432	0.000433	0	0	0	1-1111	ALL	101	UCAR	10030314
326240	462172	4.44481	0.000421	0	0	0	1-HR	ALL	1ST	T1	18110706
020240	402172	7.77701	0.000421	0	0	0	1 1111	/ \	101	UCAR	10110700
326340	462172	4.574135	0.000699	0	0	0	1-HR	ALL	1ST	T1	18112713
020010	102172	1107 1100	0.00000					,	1.0.	UCAR	10112710
326440	462172	4.851716	0.001499	0	0	0	1-HR	ALL	1ST	T1	18102616
	-			_						UCAR	
326540	462172	4.045455	0.000462	0	0	0	1-HR	ALL	1ST	T1	18032922
										UCAR	
326640	462172	4.418003	0.001804	0	0	0	1-HR	ALL	1ST	T1	18031523
										UCAR	
326740	462172	4.063817	0.001113	0	0	0	1-HR	ALL	1ST	T1	18112124
										UCAR	
326840	462172	3.943677	0.000952	0	0	0	1-HR	ALL	1ST	T1	18120316
										UCAR	
326940	462172	4.161894	0.000717	0	0	0	1-HR	ALL	1ST	T1	18100207

										UCAR	
327040	462172	4.466715	0.000721	0	0	0	1-HR	ALL	1ST	T1	18032920
										UCAR	
327140	462172	4.004594	0.000582	0	0	0	1-HR	ALL	1ST	T1	18032920
										UCAR	
327240	462172	4.728301	0.000417	0	0	0	1-HR	ALL	1ST	T1	18052617
327340	462172	4.469405	0.00032	0	0	0	1-HR	ALL	1ST	UCAR T1	18111217
327340	402172	4.403403	0.00032	0	0	0	1-1111	ALL	101	UCAR	10111217
327440	462172	4.440748	0.000305	0	0	0	1-HR	ALL	1ST	T1	18052616
										UCAR	
327540	462172	4.09277	0.00031	0	0	0	1-HR	ALL	1ST	T1	18052616
										UCAR	
327640	462172	3.967098	0.000303	0.4	0.4	0	1-HR	ALL	1ST	T1	18111214
207740	400170	4 115400	0.000040	0	_		4 LID	A 1 1	1CT	UCAR	10111014
327740	462172	4.115429	0.000243	2	2	0	1-HR	ALL	1ST	T1 UCAR	18111214
327840	462172	3.98929	0.000191	2.9	2.9	0	1-HR	ALL	1ST	T1	18052619
027010		0.00020	0.000.0.					7	101	UCAR	
327940	462172	3.954134	0.00022	3.6	3.6	0	1-HR	ALL	1ST	T1	18111215
										UCAR	
328040	462172	3.644489	0.000223	4	4	0	1-HR	ALL	1ST	T1	18111215
2004.40	400470	0.0000	0.00000	0.0	0.0		4 110		407	UCAR	10111015
328140	462172	3.36928	0.000203	3.3	3.3	0	1-HR	ALL	1ST	T1	18111215
328240	462172	3.405078	0.000181	2.1	2.1	0	1-HR	ALL	1ST	UCAR T1	18072324
320240	402172	3.403076	0.000101	۷. ۱	2.1	0	1-1111	ALL	101	UCAR	10072324
328340	462172	3.476626	0.000165	0	0	0	1-HR	ALL	1ST	T1	18072324
	-			_						UCAR	
328440	462172	3.398694	0.000145	0	0	0	1-HR	ALL	1ST	T1	18072324
										UCAR	
328540	462172	3.304466	0.000127	0	0	0	1-HR	ALL	1ST	T1	18072402
004540	400070	0.040054	0.0004.04	_			4 115	A 1 1	107	UCAR	10110710
324540	462272	3.043054	0.000161	0	0	0	1-HR	ALL	1ST	T1	18112716

										UCAR	
324640	462272	2.922095	0.000172	0	0	0	1-HR	ALL	1ST	T1	18112716
	-			_						UCAR	
324740	462272	2.911094	0.000183	0	0	0	1-HR	ALL	1ST	T1	18112716
										UCAR	
324840	462272	2.918863	0.000193	0	0	0	1-HR	ALL	1ST	T1	18112716
										UCAR	
324940	462272	2.86446	0.000201	0	0	0	1-HR	ALL	1ST	T1	18112716
00=040	4000=0	0 =0 /=00								UCAR	40440=40
325040	462272	2.731706	0.000207	0	0	0	1-HR	ALL	1ST	T1	18112716
005440	400070	0.500505	0.000000		_		4 110	A	100	UCAR	10110710
325140	462272	2.506535	0.000208	0	0	0	1-HR	ALL	1ST	T1	18112716
205240	460070	0.100000	0.000204	0	0	0	1-HR	A1 1	1ST	UCAR T1	10110716
325240	462272	2.182028	0.000204	0	U	U	I-UK	ALL	101	UCAR	18112716
325340	462272	2.039593	0.000193	0	0	0	1-HR	ALL	1ST	T1	18112716
323340	402212	2.009090	0.000133	0	0	0	1-1111	ALL	101	UCAR	10112710
325440	462272	2.196988	0.000181	0	0	0	1-HR	ALL	1ST	T1	18093014
020110	102272	2.10000	0.000101			Ŭ		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	101	UCAR	10000011
325540	462272	2.236686	0.000248	0	0	0	1-HR	ALL	1ST	T1	18093014
	-			-						UCAR	
325640	462272	3.461634	0.000326	0	0	0	1-HR	ALL	1ST	T1	18093014
										UCAR	
325740	462272	4.789024	0.000402	0	0	0	1-HR	ALL	1ST	T1	18093014
										UCAR	
325840	462272	5.33593	0.000441	0	0	0	1-HR	ALL	1ST	T1	18093014
										UCAR	
325940	462272	3.907814	0.000396	0	0	0	1-HR	ALL	1ST	T1	18093014
	_									UCAR	
326040	462272	3.854292	0.000643	0	0	0	1-HR	ALL	1ST	T1	18112201
				_	_					UCAR	
326140	462272	4.18353	0.000642	0	0	0	1-HR	ALL	1ST	T1	18112201
000040	4000=0	4.055533	0.000000		_		4 115		4.0.	UCAR	10000000
326240	462272	4.055788	0.000606	0	0	0	1-HR	ALL	1ST	T1	18022802

								_			
326340	462272	4.870343	0.000712	0	0	0	1-HR	ALL	1ST	UCAR T1	18110706
326440	462272	4.577863	0.001839	0	0	0	1-HR	ALL	1ST	UCAR T1	18102613
326540	462272	4.583194	0.000782	0	0	0	1-HR	ALL	1ST	UCAR T1	18032922
326640	462272	4.416533	0.002891	0	0	0	1-HR	ALL	1ST	UCAR T1	18031522
326740	462272	4.758894	0.002031	0	0	0	1-HR	ALL	1ST	UCAR T1	18120316
										UCAR	
326840	462272	5.080186	0.00091	0	0	0	1-HR	ALL	1ST	T1 UCAR	18100207
326940	462272	4.773983	0.000876	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032920
327040	462272	4.77884	0.000514	0	0	0	1-HR	ALL	1ST	T1 UCAR	18110707
327140	462272	4.561237	0.000464	0	0	0	1-HR	ALL	1ST	T1 UCAR	18052616
327240	462272	5.087409	0.000447	0	0	0	1-HR	ALL	1ST	T1 UCAR	18111214
327340	462272	5.985767	0.000359	0	0	0	1-HR	ALL	1ST	T1 UCAR	18111214
327440	462272	5.408536	0.000323	0	0	0	1-HR	ALL	1ST	T1	18111215
327540	462272	4.642225	0.000336	0	0	0	1-HR	ALL	1ST	UCAR T1	18111215
327640	462272	4.723612	0.000282	0.1	0.1	0	1-HR	ALL	1ST	UCAR T1	18111215
327740	462272	4.494041	0.000243	0.9	0.9	0	1-HR	ALL	1ST	UCAR T1	18072324
327840	462272	4.503998	0.000202	2.5	2.5	0	1-HR	ALL	1ST	UCAR T1	18072324
327940	462272	4.325898	0.000175	3.1	3.1	0	1-HR	ALL	1ST	UCAR T1	18072402

										UCAR	
328040	462272	4.023371	0.00015	3.9	3.9	0	1-HR	ALL	1ST	T1	18072402
										UCAR	
328140	462272	3.66432	0.000131	3.9	3.9	0	1-HR	ALL	1ST	T1	18111213
000040	400070	0.00074	0.000400				4 110		10T	UCAR	10100110
328240	462272	3.36074	0.000128	1.1	1.1	0	1-HR	ALL	1ST	T1 UCAR	18103113
328340	462272	3.299287	0.000131	0	0	0	1-HR	ALL	1ST	T1	18103113
020040	+0 <i>LL1 L</i>	0.200201	0.000101	<u> </u>	0	0	1 1111	/ \	101	UCAR	10100110
328440	462272	3.181022	0.00013	0	0	0	1-HR	ALL	1ST	T1	18103113
										UCAR	
328540	462272	3.071959	0.000129	0	0	0	1-HR	ALL	1ST	T1	18091618
										UCAR	
324540	462372	2.982954	0.000122	0	0	0	1-HR	ALL	1ST	T1	18112717
004040	400070	0.00000	0.000400	0	0		4 110		10T	UCAR	10110717
324640	462372	3.088388	0.000126	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112717
324740	462372	3.18814	0.000128	0	0	0	1-HR	ALL	1ST	T1	18112717
0Z+7+0	+02072	3.10014	0.000120	0	0	0	1 1111	ALL	101	UCAR	10112717
324840	462372	3.272281	0.000132	0	0	0	1-HR	ALL	1ST	T1	18112716
										UCAR	
324940	462372	3.33335	0.00015	0	0	0	1-HR	ALL	1ST	T1	18112716
										UCAR	
325040	462372	3.361783	0.00017	0	0	0	1-HR	ALL	1ST	T1	18112716
005140	400070	0.045044	0.000400	0	0		4 110		10T	UCAR	10110710
325140	462372	3.345641	0.000193	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112716
325240	462372	3.270585	0.00022	0	0	0	1-HR	ALL	1ST	T1	18112716
323240	402372	3.270303	0.00022	<u> </u>	U	0	1-1111	ALL	101	UCAR	10112710
325340	462372	3.1203	0.00025	0	0	0	1-HR	ALL	1ST	T1	18112716
3=33.0		5.1.200								UCAR	
325440	462372	2.872859	0.000285	0	0	0	1-HR	ALL	1ST	T1	18112716
										UCAR	
325540	462372	2.474883	0.000322	0	0	0	1-HR	ALL	1ST	T1	18112716

										UCAR	
325640	462372	2.005443	0.000361	0	0	0	1-HR	ALL	1ST	T1	18112716
										UCAR	
325740	462372	2.307391	0.000398	0	0	0	1-HR	ALL	1ST	T1	18112716
				_	_	_				UCAR	
325840	462372	3.018657	0.000425	0	0	0	1-HR	ALL	1ST	T1	18112716
005040	400070	0.000050	0.000407	0	_		4 110		101	UCAR	10110710
325940	462372	3.938256	0.000427	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112716
326040	462372	4.482422	0.000469	0	0	0	1-HR	ALL	1ST	T1	18093014
320040	402372	4.402422	0.000403	U	U	0	1-1111	ALL	101	UCAR	10093014
326140	462372	3.884885	0.0007	0	0	0	1-HR	ALL	1ST	T1	18093014
520116		0.00.000	0.000.						1	UCAR	10000011
326240	462372	4.219656	0.000808	0	0	0	1-HR	ALL	1ST	T1	18093014
										UCAR	
326340	462372	4.582338	0.001266	0	0	0	1-HR	ALL	1ST	T1	18112201
										UCAR	
326440	462372	4.842688	0.001564	0	0	0	1-HR	ALL	1ST	T1	18110706
000540	400070	E 404440	0.00000	0			4 115		400	UCAR	10010415
326540	462372	5.131419	0.002332	0	0	0	1-HR	ALL	1ST	T1	18012415
326640	462372	4.035594	0.002342	0	0	0	1-HR	ALL	1ST	UCAR T1	18111218
320040	402372	4.033394	0.002342	0	U	U	I-UU	ALL	131	UCAR	10111210
326740	462372	4.835029	0.001715	0	0	0	1-HR	ALL	1ST	T1	18012413
0207.10	102072	11000020	0.001710	<u> </u>				,	1.0.	UCAR	10012110
326840	462372	4.858757	0.000997	0	0	0	1-HR	ALL	1ST	T1	18110707
										UCAR	
326940	462372	5.546797	0.000662	0	0	0	1-HR	ALL	1ST	T1	18111214
										UCAR	
327040	462372	6.081552	0.000647	0	0	0	1-HR	ALL	1ST	T1	18111215
				_	_	_		.		UCAR	
327140	462372	7.069239	0.000445	0	0	0	1-HR	ALL	1ST	T1	18072324
007040	400070	0.045000	0.000000	•	_		4 115		101	UCAR	10070400
327240	462372	6.315023	0.000332	0	0	0	1-HR	ALL	1ST	T1	18072402

										UCAR	
327340	462372	5.068295	0.000266	0	0	0	1-HR	ALL	1ST	T1	18103113
				_	_	_				UCAR	
327440	462372	4.868949	0.000273	0	0	0	1-HR	ALL	1ST	T1	18103113
007540	400070	4 70 400 4	0.000000	0	_		4 110	A 1 1	1 OT	UCAR	10001010
327540	462372	4.734964	0.000282	0	0	0	1-HR	ALL	1ST	T1 UCAR	18091618
327640	462372	4.448644	0.000281	0	0	0	1-HR	ALL	1ST	T1	18091618
027010	102072	1.110011	0.000201		-	0	1 1111	/ \	101	UCAR	10001010
327740	462372	4.155166	0.000272	0	0	0	1-HR	ALL	1ST	T1	18091618
										UCAR	
327840	462372	3.870409	0.000256	0.8	0.8	0	1-HR	ALL	1ST	T1	18091618
										UCAR	
327940	462372	3.584017	0.000239	2.6	2.6	0	1-HR	ALL	1ST	T1	18091618
000040	400070	0.055000	0.00000	0.4	0.4		4 110	A	107	UCAR	10001010
328040	462372	3.355362	0.00022	3.1	3.1	0	1-HR	ALL	1ST	T1 UCAR	18091618
328140	462372	3.279608	0.000205	1.3	1.3	0	1-HR	ALL	1ST	T1	18072323
320140	+02072	3.27 3000	0.000203	1.0	1.0	0	1 1111	ALL	101	UCAR	10072020
328240	462372	3.17442	0.000194	0.1	0.1	0	1-HR	ALL	1ST	T1	18072323
		-		-						UCAR	
328340	462372	3.077933	0.000184	0	0	0	1-HR	ALL	1ST	T1	18072323
										UCAR	
328440	462372	2.974815	0.000173	0	0	0	1-HR	ALL	1ST	T1	18072323
000540	400070	0.070400	0.000404	0			4 115		407	UCAR	40070000
328540	462372	2.973436	0.000164	0	0	0	1-HR	ALL	1ST	T1 UCAR	18072323
324540	462472	2.764179	0.000134	0	0	0	1-HR	ALL	1ST	T1	18112815
324340	402472	2.704173	0.000134	<u> </u>	U	0	1-1111	ALL	131	UCAR	10112013
324640	462472	2.808682	0.000141	0	0	0	1-HR	ALL	1ST	T1	18112815
52.510	.5/_		3.000				1		1	UCAR	131.123.13
324740	462472	2.844216	0.000148	0	0	0	1-HR	ALL	1ST	T1	18112815
										UCAR	
324840	462472	2.867735	0.000156	0	0	0	1-HR	ALL	1ST	T1	18112815

	ı	I		1		1				LIOAD	1
324940	462472	2.875446	0.000165	0	0	0	1-HR	ALL	1ST	UCAR T1	18112815
024040	TOZT/Z	2.07 3440	0.000103		0	0	1 1111	ALL	101	UCAR	10112013
325040	462472	2.862684	0.000174	0	0	0	1-HR	ALL	1ST	T1	18112815
										UCAR	
325140	462472	2.823828	0.000185	0	0	0	1-HR	ALL	1ST	T1	18112815
										UCAR	
325240	462472	2.752191	0.000198	0	0	0	1-HR	ALL	1ST	T1	18112815
225240	460470	0.640100	0.000010		0	_	1-HR	ALL	1ST	UCAR T1	10110015
325340	462472	2.640128	0.000212	0	U	0	I-HK	ALL	151	UCAR	18112815
325440	462472	2.449177	0.000229	0	0	0	1-HR	ALL	1ST	T1	18112815
020440	+0Z+7Z	2.445177	0.000223		0	0	1 1111	/ \	101	UCAR	10112010
325540	462472	2.169639	0.000248	0	0	0	1-HR	ALL	1ST	T1	18112815
										UCAR	
325640	462472	2.406482	0.000271	0	0	0	1-HR	ALL	1ST	T1	18112815
										UCAR	
325740	462472	2.676701	0.000298	0	0	0	1-HR	ALL	1ST	T1	18112815
005040	400.470	0.077405	0.00004				4 115		407	UCAR	10100115
325840	462472	2.977405	0.00034	0	0	0	1-HR	ALL	1ST	T1	18122415
325940	462472	3.264995	0.000408	0	0	0	1-HR	ALL	1ST	UCAR T1	18122415
323940	402472	3.204993	0.000406	0	U	U	I-III	ALL	131	UCAR	10122413
326040	462472	3.723298	0.0005	0	0	0	1-HR	ALL	1ST	T1	18122415
0_00.0		020200	0.0000						1.0.	UCAR	
326140	462472	4.100132	0.000631	0	0	0	1-HR	ALL	1ST	T1	18122415
										UCAR	
326240	462472	3.946906	0.000829	0	0	0	1-HR	ALL	1ST	T1	18122415
				_	_	_				UCAR	
326340	462472	4.559498	0.001161	0	0	0	1-HR	ALL	1ST	T1	18122415
000440	400470	0.001700	0.001010		_		4 110	A 1 1	100	UCAR	10100415
326440	462472	3.921722	0.001818	0	0	0	1-HR	ALL	1ST	T1 UCAR	18122415
326540	462472	3.732847	0.007539	0	0	0	1-HR	ALL	1ST	T1	18110713
J2UJ4U	402472	0.702047	0.007.008	<u> </u>		U	1-1111	ALL	101	111	10110713

										UCAR	
326640	462472	5.528082	0.001625	0	0	0	1-HR	ALL	1ST	T1	18091617
										UCAR	
326740	462472	5.000104	0.001283	0	0	0	1-HR	ALL	1ST	T1	18091617
										UCAR	
326840	462472	4.444643	0.000983	0	0	0	1-HR	ALL	1ST	T1	18091617
										UCAR	
326940	462472	4.939846	0.000785	0	0	0	1-HR	ALL	1ST	T1	18091617
				_						UCAR	
327040	462472	4.814872	0.000651	0	0	0	1-HR	ALL	1ST	T1	18091617
007440	400.470	E 400E00	0.000550				4 115		407	UCAR	10001017
327140	462472	5.130539	0.000556	0	0	0	1-HR	ALL	1ST	T1	18091617
007040	400470	F 7FF070	0.000404		_		4 110	A 1 1	10T	UCAR	10001017
327240	462472	5.755276	0.000484	0	0	0	1-HR	ALL	1ST	T1 UCAR	18091617
327340	462472	5.962652	0.000428	0	0	0	1-HR	ALL	1ST	T1	18091617
327340	402472	5.902052	0.000420	0	U	0	I-HIN	ALL	131	UCAR	10091017
327440	462472	5.909024	0.000383	0	0	0	1-HR	ALL	1ST	T1	18091617
321440	402472	3.303024	0.00000	0	0	0	1 1111	ALL	101	UCAR	10031017
327540	462472	5.708774	0.000346	0	0	0	1-HR	ALL	1ST	T1	18091617
027010	102 17 2	0.700771	0.000010			Ŭ		7122	101	UCAR	10001017
327640	462472	5.435294	0.000315	0	0	0	1-HR	ALL	1ST	T1	18091617
	-									UCAR	
327740	462472	5.122469	0.000289	1.3	1.3	0	1-HR	ALL	1ST	T1	18091617
										UCAR	
327840	462472	4.808324	0.000267	4.1	4.1	0	1-HR	ALL	1ST	T1	18091617
										UCAR	
327940	462472	4.520398	0.000247	4.2	4.2	0	1-HR	ALL	1ST	T1	18091617
										UCAR	
328040	462472	4.251132	0.00023	2.2	2.2	0	1-HR	ALL	1ST	T1	18091617
										UCAR	
328140	462472	3.995771	0.000215	1	1	0	1-HR	ALL	1ST	T1	18091617
	,			_						UCAR	
328240	462472	3.758198	0.000201	0	0	0	1-HR	ALL	1ST	T1	18091617

										UCAR	
328340	462472	3.541955	0.000189	0	0	0	1-HR	ALL	1ST	T1	18091617
										UCAR	
328440	462472	3.377733	0.000178	0	0	0	1-HR	ALL	1ST	T1	18091617
										UCAR	
328540	462472	3.270391	0.000168	0	0	0	1-HR	ALL	1ST	T1	18091617
										UCAR	
324540	462572	2.705104	0.000131	0	0	0	1-HR	ALL	1ST	T1	18021216
004040	400==0	0.00004	0.000440							UCAR	40004044
324640	462572	2.693824	0.000143	0	0	0	1-HR	ALL	1ST	T1	18021614
004740	400570	0.050000	0.000457		_		4 110	A	40T	UCAR	10001011
324740	462572	2.658228	0.000157	0	0	0	1-HR	ALL	1ST	T1	18021614
224940	460570	0.656076	0.000170	0	0	0	1-HR	A11	1ST	UCAR T1	10001614
324840	462572	2.656276	0.000172	0	U	U	I-UU	ALL	131	UCAR	18021614
324940	462572	2.622587	0.000188	0	0	0	1-HR	ALL	1ST	T1	18021614
32+3+0	T02372	2.022501	0.000100	0	0	0	1 1111	ALL	101	UCAR	10021014
325040	462572	2.547635	0.000207	0	0	0	1-HR	ALL	1ST	T1	18021614
3_33.5			0.000_0.						1.0.	UCAR	1902.01.
325140	462572	2.42244	0.000226	0	0	0	1-HR	ALL	1ST	T1	18021614
										UCAR	
325240	462572	2.204273	0.000246	0	0	0	1-HR	ALL	1ST	T1	18021614
										UCAR	
325340	462572	1.895047	0.000266	0	0	0	1-HR	ALL	1ST	T1	18021614
										UCAR	
325440	462572	1.867771	0.000286	0	0	0	1-HR	ALL	1ST	T1	18021614
										UCAR	
325540	462572	1.983431	0.000328	0	0	0	1-HR	ALL	1ST	T1	18112814
										UCAR	
325640	462572	2.088949	0.000372	0	0	0	1-HR	ALL	1ST	T1	18112814
005740	400570	0.050705	0.000404		_	_	4 115	A	101	UCAR	10000017
325740	462572	2.258765	0.000421	0	0	0	1-HR	ALL	1ST	T1	18032017
225040	460570	2 606205	0.000472		_	_	1-HR	A	1ST	UCAR T1	19022017
325840	462572	2.686205	0.000472	0	0	0	I-UK	ALL	101	11	18032017

										UCAR	
325940	462572	3.090029	0.000437	0	0	0	1-HR	ALL	1ST	T1	18032017
										UCAR	
326040	462572	3.295234	0.000469	0	0	0	1-HR	ALL	1ST	T1	18021214
000440	400570	4.000.400	0.000000	0	0		4 110		10T	UCAR	10001015
326140	462572	4.263426	0.000639	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021615
326240	462572	4.649659	0.001356	0	0	0	1-HR	ALL	1ST	T1	18030516
020240	+02372	4.043033	0.001000	<u> </u>	0	0	1 1111	/ \	101	UCAR	10000310
326340	462572	4.516643	0.001195	0	0	0	1-HR	ALL	1ST	T1	18110713
										UCAR	
326440	462572	5.24172	0.001484	0	0	0	1-HR	ALL	1ST	T1	18032618
										UCAR	
326540	462572	4.070873	0.0015	0	0	0	1-HR	ALL	1ST	T1	18041701
000040	400570	4 40004 4	0.001010	0			4 110		4.OT	UCAR	10000510
326640	462572	4.469814	0.001948	0	0	0	1-HR	ALL	1ST	T1	18030518
326740	462572	4.892218	0.001869	0	0	0	1-HR	ALL	1ST	UCAR T1	18120317
320740	402372	4.032210	0.001009	0	U	0	1-1111	ALL	101	UCAR	10120317
326840	462572	6.697343	0.000908	0.2	0.2	0	1-HR	ALL	1ST	T1	18072321
3233.6	.02072	0.0070.0	0.00000						1.0.	UCAR	
326940	462572	6.780694	0.000593	0.1	0.1	0	1-HR	ALL	1ST	T1	18101322
										UCAR	
327040	462572	6.768516	0.000413	0	0	0	1-HR	ALL	1ST	T1	18043016
				_	_	_				UCAR	
327140	462572	6.966066	0.000368	0	0	0	1-HR	ALL	1ST	T1	18091616
007040	400570	0.505	0.000405	0	_		4 110	A 1 1	10T	UCAR	10001010
327240	462572	6.595	0.000425	0	0	0	1-HR	ALL	1ST	T1 UCAR	18091616
327340	462572	6.992382	0.000395	0	0	0	1-HR	ALL	1ST	T1	18091616
327340	702372	0.332302	0.000333	U	U	0	1-1111	ALL	101	UCAR	10031010
327440	462572	7.130035	0.000326	0	0	0	1-HR	ALL	1ST	T1	18091616
523	.020,2	11.00000	2.232220	<u> </u>				- ·- <u>-</u>	1	UCAR	
327540	462572	6.671031	0.000251	0.1	0.1	0	1-HR	ALL	1ST	T1	18091616

										UCAR	
327640	462572	5.949005	0.00021	0.4	0.4	0	1-HR	ALL	1ST	T1	18092801
										UCAR	
327740	462572	5.143089	0.000185	2.9	2.9	0	1-HR	ALL	1ST	T1	18092801
										UCAR	
327840	462572	4.393305	0.000163	4.2	4.2	0	1-HR	ALL	1ST	T1	18092801
007040	400570	0.700700	0.0001.10	0.0	0.0		4 115		407	UCAR	1000001
327940	462572	3.768736	0.000142	3.9	3.9	0	1-HR	ALL	1ST	T1	18092801
328040	462572	3.580367	0.000129	0.7	0.7	0	1-HR	ALL	1ST	UCAR T1	18090315
320040	402372	3.360367	0.000129	0.7	0.7	U	I-UU	ALL	131	UCAR	16090313
328140	462572	3.379588	0.000124	0	0	0	1-HR	ALL	1ST	T1	18091617
020140	402072	0.07 0000	0.000124	0	0	0	1 1111	/\	101	UCAR	10031017
328240	462572	3.430662	0.000125	0	0	0	1-HR	ALL	1ST	T1	18091617
0_0_10		0110000								UCAR	
328340	462572	3.442945	0.000125	0	0	0	1-HR	ALL	1ST	T1	18091617
										UCAR	
328440	462572	3.425516	0.000125	0	0	0	1-HR	ALL	1ST	T1	18091617
										UCAR	
328540	462572	3.385836	0.000124	0	0	0	1-HR	ALL	1ST	T1	18091617
204540	400070	0.00000	0.000157				4 115		407	UCAR	10110011
324540	462672	2.620288	0.000157	0	0	0	1-HR	ALL	1ST	T1	18112814
324640	462672	2.662515	0.000172	0	0	0	1-HR	ALL	1ST	UCAR T1	18112814
324040	402072	2.002313	0.000172	0	U	U	I-III	ALL	131	UCAR	10112014
324740	462672	2.719931	0.000187	0	0	0	1-HR	ALL	1ST	T1	18112814
021710	102072	2.7 10001	0.000107	0	0	0	1 1111	/ \	101	UCAR	10112011
324840	462672	2.767451	0.0002	0	0	0	1-HR	ALL	1ST	T1	18112814
										UCAR	
324940	462672	2.878866	0.000213	0	0	0	1-HR	ALL	1ST	T1	18032017
										UCAR	
325040	462672	2.980989	0.000237	0	0	0	1-HR	ALL	1ST	T1	18032017
				_	_	_				UCAR	
325140	462672	3.142298	0.000251	0	0	0	1-HR	ALL	1ST	T1	18032017

325240	462672	3.179576	0.000251	0	0	0	1-HR	ALL	1ST	UCAR T1	18032017
325340	462672	3.200913	0.000229	0	0	0	1-HR	ALL	1ST	UCAR T1	18032017
										UCAR	
325440	462672	3.671011	0.000243	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021214
325540	462672	3.934884	0.000263	0	0	0	1-HR	ALL	1ST	T1	18021214
325640	462672	4.26626	0.000261	0	0	0	1-HR	ALL	1ST	UCAR T1	18021214
325740	462672	3.834303	0.000344	0	0	0	1-HR	ALL	1ST	UCAR T1	18021615
0_01.10		0.00.000	0.0000					- 1		UCAR	
325840	462672	2.569514	0.00042	0	0	0	1-HR	ALL	1ST	T1	18021615
325940	462672	2.968015	0.000658	0	0	0	1-HR	ALL	1ST	UCAR T1	18030516
000040	400070	0.005000	0.000040				4 115		407	UCAR	10000510
326040	462672	3.235082	0.000942	0	0	0	1-HR	ALL	1ST	T1 UCAR	18030516
326140	462672	3.422061	0.000575	0	0	0	1-HR	ALL	1ST	T1	18110713
326240	462672	4.377388	0.000792	0	0	0	1-HR	ALL	1ST	UCAR T1	18032617
				_						UCAR	
326340	462672	4.794134	0.000834	0	0	0	1-HR	ALL	1ST	T1	18032618
326440	462672	4.608256	0.001893	0	0	0	1-HR	ALL	1ST	UCAR T1	18030517
226540	462672	4 704070	0.000572	0	0	0	1-HR	ALL	1ST	UCAR T1	10001717
326540	462672	4.734972	0.000572	U	U	0	I-NK	ALL	131	UCAR	18021717
326640	462672	4.768121	0.001598	0	0	0	1-HR	ALL	1ST	T1	18120318
326740	462672	4.566768	0.001467	0	0	0	1-HR	ALL	1ST	UCAR T1	18030518
326840	462672	5.328331	0.001034	1.6	1.6	0	1-HR	ALL	1ST	UCAR T1	18120317

										UCAR	
326940	462672	5.051786	0.000918	1	1	0	1-HR	ALL	1ST	T1	18120317
207240	4000=0								4.0-	UCAR	
327040	462672	7.606278	0.000534	0	0	0	1-HR	ALL	1ST	T1 UCAR	18072321
327140	462672	6.329495	0.000487	0	0	0	1-HR	ALL	1ST	T1	18072321
327140	402072	0.029493	0.000407	0	0	0	1-1111	ALL	101	UCAR	10072321
327240	462672	6.314084	0.000364	0.2	0.2	0	1-HR	ALL	1ST	T1	18101322
										UCAR	
327340	462672	6.151892	0.000299	0.3	0.3	0	1-HR	ALL	1ST	T1	18051422
										UCAR	
327440	462672	6.273721	0.000219	0.8	0.8	0	1-HR	ALL	1ST	T1	18043016
327540	462672	5.533336	0.000214	1.5	1.5	0	1-HR	ALL	1ST	UCAR T1	18043016
327340	402072	5.555556	0.000214	1.5	1.5	0	1-HIN	ALL	131	UCAR	18043010
327640	462672	5.37529	0.000178	3.2	3.2	0	1-HR	ALL	1ST	T1	18072221
52.5.6		0.0.0								UCAR	
327740	462672	4.770198	0.000202	5.9	5.9	0	1-HR	ALL	1ST	T1	18091616
										UCAR	
327840	462672	4.108427	0.000226	5.8	5.8	0	1-HR	ALL	1ST	T1	18091616
007040	400070	4.004004	0.000000	0.7	0.7		4 110	A 1 1	4 O.T.	UCAR T1	10001010
327940	462672	4.324084	0.000232	3.7	3.7	0	1-HR	ALL	1ST	UCAR	18091616
328040	462672	4.344884	0.000222	1.8	1.8	0	1-HR	ALL	1ST	T1	18091616
0200.0	.02072	110 1 100 1	0.000222		1.0			/	10.	UCAR	10001010
328140	462672	4.203992	0.000202	0.1	0.1	0	1-HR	ALL	1ST	T1	18091616
										UCAR	
328240	462672	3.9879	0.000178	0	0	0	1-HR	ALL	1ST	T1	18091616
000040	400070	0.000504	0.000450	^	_		4 115		107	UCAR	10001010
328340	462672	3.863561	0.000152	0	0	0	1-HR	ALL	1ST	T1	18091616
328440	462672	3.680959	0.000134	0	0	0	1-HR	ALL	1ST	UCAR T1	18051423
320440	702012	0.000909	0.000104	0	<u> </u>	0	1 1111	ALL	101	UCAR	10031423
328540	462672	3.463791	0.00012	0	0	0	1-HR	ALL	1ST	T1	18051423

										UCAR	
324540	462772	2.83874	0.000168	0	0	0	1-HR	ALL	1ST	T1	18032017
				_	_	_				UCAR	
324640	462772	2.915943	0.000163	0	0	0	1-HR	ALL	1ST	T1	18032017
004740	400770	0.01.40.41	0.00015	0	_		4 110	A	101	UCAR	10000017
324740	462772	2.914341	0.00015	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032017
324840	462772	3.251727	0.000157	0	0	0	1-HR	ALL	1ST	T1	18021214
02 10 10	102772	0.201721	0.000107	0		0	1 1111	7122	101	UCAR	10021211
324940	462772	3.674378	0.000172	0	0	0	1-HR	ALL	1ST	T1	18021214
										UCAR	
325040	462772	3.969907	0.000181	0	0	0	1-HR	ALL	1ST	T1	18021214
				_	_	_				UCAR	
325140	462772	4.029493	0.000182	0	0	0	1-HR	ALL	1ST	T1	18021214
225240	460770	2 700405	0.000170	0	^	_	1-HR	A11	1ST	UCAR T1	10001014
325240	462772	3.780485	0.000172	0	0	0	I-DK	ALL	151	UCAR	18021214
325340	462772	3.646984	0.000229	0	0	0	1-HR	ALL	1ST	T1	18021615
020010	102772	0.010001	0.000220	3			1 1111	7122	101	UCAR	10021010
325440	462772	3.434293	0.000279	0	0	0	1-HR	ALL	1ST	T1	18021615
										UCAR	
325540	462772	3.258582	0.000297	0	0	0	1-HR	ALL	1ST	T1	18021615
205240	400==0	0.00==00	0.000.400						40-	UCAR	40000=40
325640	462772	3.065706	0.000406	0	0	0	1-HR	ALL	1ST	T1	18030516
325740	462772	2.998624	0.00062	0	0	0	1-HR	ALL	1ST	UCAR T1	18030516
323740	402112	2.990024	0.00002	U	U	0	I-HIN	ALL	131	UCAR	10030310
325840	462772	2.647702	0.000537	0	0	0	1-HR	ALL	1ST	T1	18030516
0200.0	.02,72	21017702	0.00000.	<u> </u>				7122	1.0.	UCAR	10000010
325940	462772	2.668368	0.000406	0	0	0	1-HR	ALL	1ST	T1	18112613
										UCAR	
326040	462772	3.341947	0.000752	0	0	0	1-HR	ALL	1ST	T1	18110713
2004:5	400=	0.40465		_	_				40-	UCAR	1,000,000
326140	462772	3.401801	0.000584	0	0	0	1-HR	ALL	1ST	T1	18032619

	1									LIOAD	
326240	462772	3.844637	0.000561	0	0	0	1-HR	ALL	1ST	UCAR T1	18032618
020240	402112	0.044007	0.000001	<u> </u>	0	0	1 1111	/\	101	UCAR	10002010
326340	462772	4.321843	0.001387	0	0	0	1-HR	ALL	1ST	T1	18041624
										UCAR	
326440	462772	4.129967	0.000475	0	0	0	1-HR	ALL	1ST	T1	18110520
										UCAR	
326540	462772	4.363102	0.000492	0	0	0	1-HR	ALL	1ST	T1	18021717
000040	400770	4 00 4000	0.00000				4 115		400	UCAR	10000017
326640	462772	4.304239	0.000632	0	0	0	1-HR	ALL	1ST	T1	18032817
326740	462772	4.910583	0.001089	0	0	0	1-HR	ALL	1ST	UCAR T1	18032814
320740	402112	4.910303	0.001069	0	U	U	I-III	ALL	131	UCAR	10032014
326840	462772	4.457739	0.001029	0.7	0.7	0	1-HR	ALL	1ST	T1	18030518
020010	102772	1.107700	0.001020	0.7	0.7		1 1111	7122	101	UCAR	10000010
326940	462772	4.731296	0.000534	1	1	0	1-HR	ALL	1ST	T1	18120317
										UCAR	
327040	462772	7.348092	0.000715	0.5	0.5	0	1-HR	ALL	1ST	T1	18120317
										UCAR	
327140	462772	7.037253	0.000542	0.6	0.6	0	1-HR	ALL	1ST	T1	18120317
						_				UCAR	
327240	462772	6.180103	0.000329	1.3	1.3	0	1-HR	ALL	1ST	T1	18072321
007040	400770	E 050405	0.000007	1.0	4.0	_	4 110	A 1 1	10T	UCAR	10070001
327340	462772	5.658435	0.000397	1.8	1.8	0	1-HR	ALL	1ST	T1	18072321
327440	462772	4.930556	0.00032	2.5	2.5	0	1-HR	ALL	1ST	UCAR T1	18072321
327440	402112	4.950550	0.00032	2.5	2.5	0	1-1111	ALL	101	UCAR	10072321
327540	462772	4.841935	0.000237	1.3	1.3	0	1-HR	ALL	1ST	T1	18101322
027010	102772	1.011000	0.000207	1.0	1.0			7122	101	UCAR	10101022
327640	462772	4.752861	0.000255	1.1	1.1	0	1-HR	ALL	1ST	T1	18101322
										UCAR	
327740	462772	5.286693	0.000207	3.3	3.3	0	1-HR	ALL	1ST	T1	18051422
										UCAR	
327840	462772	5.074227	0.000158	5.2	5.2	0	1-HR	ALL	1ST	T1	18051422

327940	462772	4.398714	0.000153	4.1	4.1	0	1-HR	ALL	1ST	UCAR T1	18043016
328040	462772	3.718727	0.000144	0.5	0.5	0	1-HR	ALL	1ST	UCAR T1	18043016
320040	402112	3.710727	0.000144	0.5	0.5	0	1-1111	ALL	101	UCAR	10043010
328140	462772	3.573819	0.000128	0	0	0	1-HR	ALL	1ST	T1	18072221
328240	462772	3.293692	0.000115	0	0	0	1-HR	ALL	1ST	UCAR T1	18072221
328340	462772	3.160141	0.000134	0	0	0	1-HR	ALL	1ST	UCAR T1	18091616
328440	462772	3.062901	0.000148	0	0	0	1-HR	ALL	1ST	UCAR T1	18091616
328540	462772	3.179717	0.000155	0	0	0	1-HR	ALL	1ST	UCAR T1	18091616
324540	462872	3.484017	0.000135	0	0	0	1-HR	ALL	1ST	UCAR T1	18021214
324640	462872	3.631587	0.000137	0	0	0	1-HR	ALL	1ST	UCAR T1	18021214
										UCAR	
324740	462872	3.616401	0.000134	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112913
324840	462872	3.394235	0.000131	0	0	0	1-HR	ALL	1ST	T1	18021615
324940	462872	3.028842	0.000167	0	0	0	1-HR	ALL	1ST	UCAR T1	18021615
325040	462872	3.153281	0.000201	0	0	0	1-HR	ALL	1ST	UCAR T1	18021615
325140	462872	3.342402	0.000223	0	0	0	1-HR	ALL	1ST	UCAR T1	18021615
										UCAR	
325240	462872	3.131801	0.000223	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021615
325340	462872	3.173938	0.000277	0	0	0	1-HR	ALL	1ST	T1	18030516
325440	462872	3.463619	0.000421	0	0	0	1-HR	ALL	1ST	UCAR T1	18030516

										UCAR	
325540	462872	3.112601	0.000463	0	0	0	1-HR	ALL	1ST	T1	18030516
										UCAR	
325640	462872	3.163269	0.00032	0	0	0	1-HR	ALL	1ST	T1	18030516
005740	400070	0.740500	0.000010	0	0		4 110		10T	UCAR	10110010
325740	462872	2.718532	0.000313	0	0	0	1-HR	ALL	1ST	T1 UCAR	18112613
325840	462872	3.675658	0.000551	0	0	0	1-HR	ALL	1ST	T1	18110713
023040	402072	0.07 0000	0.000001	0	0	0	1 1111	/ \	101	UCAR	10110710
325940	462872	2.668498	0.000434	0	0	0	1-HR	ALL	1ST	T1	18021619
										UCAR	
326040	462872	2.624941	0.000503	0	0	0	1-HR	ALL	1ST	T1	18032619
										UCAR	
326140	462872	3.241848	0.000416	0	0	0	1-HR	ALL	1ST	T1	18032618
000040	400070	0.000004	0.00005				4 115		407	UCAR	10110710
326240	462872	3.200604	0.000635	0	0	0	1-HR	ALL	1ST	T1	18110712
326340	462872	3.587123	0.000662	0	0	0	1-HR	ALL	1ST	UCAR T1	18030517
320340	402072	3.307 123	0.000002	0	U	0	1-1111	ALL	101	UCAR	10030317
326440	462872	5.285625	0.001295	0	0	0	1-HR	ALL	1ST	T1	18031521
020110		0.2002	0.00.200						1.0.	UCAR	
326540	462872	3.879393	0.00043	0	0	0	1-HR	ALL	1ST	T1	18110715
										UCAR	
326640	462872	3.989401	0.000596	0	0	0	1-HR	ALL	1ST	T1	18032821
				_	_	_				UCAR	
326740	462872	3.8848	0.000886	0	0	0	1-HR	ALL	1ST	T1	18120318
000040	400070	0.00000	0.000557	0	_		4 110	A 1 1	10T	UCAR	10000014
326840	462872	3.90233	0.000557	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032814
326940	462872	4.609087	0.000759	0.6	0.6	0	1-HR	ALL	1ST	T1	18030518
320340	702012	4.003007	0.000733	0.0	0.0	0	1-1111	ALL	101	UCAR	10030318
327040	462872	6.039223	0.000333	1.4	1.4	0	1-HR	ALL	1ST	T1	18102414
52.0.0	.020,2	5.555225	2.230000					- ·- <u>-</u>	1	UCAR	
327140	462872	5.76784	0.000475	2	2	0	1-HR	ALL	1ST	T1	18120317

						ı	1	1		T	1
327240	462872	6.653485	0.000482	1.9	1.9	0	1-HR	ALL	1ST	UCAR T1	18120317
										UCAR	
327340	462872	6.20069	0.000352	1.8	1.8	0	1-HR	ALL	1ST	T1	18120317
										UCAR	
327440	462872	4.465077	0.000268	1.7	1.7	0	1-HR	ALL	1ST	T1	18050523
										UCAR	
327540	462872	4.66869	0.000298	0.3	0.3	0	1-HR	ALL	1ST	T1	18072321
20=242	4000=0	4 00000=							40-	UCAR	400=004
327640	462872	4.300627	0.000295	0	0	0	1-HR	ALL	1ST	T1	18072321
00==40	4000=0	4 000==4							40-	UCAR	400=004
327740	462872	4.028771	0.000232	0	0	0	1-HR	ALL	1ST	T1	18072321
227242	4000=0	0.00004	0.000400						4.0-	UCAR	40404000
327840	462872	3.639904	0.000168	0.9	0.9	0	1-HR	ALL	1ST	T1	18101322
007040	400070	0.050447	0.00000	4.0	4.0		4 115		407	UCAR	10101000
327940	462872	3.853117	0.000202	1.8	1.8	0	1-HR	ALL	1ST	T1	18101322
222242	4000=0	0 005 450	0.000400						4.0-	UCAR	40404000
328040	462872	3.995473	0.000182	0.3	0.3	0	1-HR	ALL	1ST	T1	18101322
222442	4000=0	4 40000=	0.0004==						4.0-	UCAR	40054400
328140	462872	4.139007	0.000157	0	0	0	1-HR	ALL	1ST	T1	18051422
200040	4000=0	0.04===4	0.00040=						40-	UCAR	40054400
328240	462872	3.947754	0.000125	0	0	0	1-HR	ALL	1ST	T1	18051422
222242	4000=0	0 = 10 100	0.00044=						407	UCAR	40040040
328340	462872	3.543496	0.000115	0	0	0	1-HR	ALL	1ST	T1	18043016
000440	400070	0.044004	0.000444	•	•		4 115		407	UCAR	10010010
328440	462872	3.041234	0.000114	0	0	0	1-HR	ALL	1ST	T1	18043016
222542	4000=0	0.0500.45	0.00040=						407	UCAR	40040040
328540	462872	2.850847	0.000107	0	0	0	1-HR	ALL	1ST	T1	18043016
204540	4000=0		0.000400						40-	UCAR	40004045
324540	462972	2.800273	0.000129	0	0	0	1-HR	ALL	1ST	T1	18021615
204040	4000=0		0.000450						40-	UCAR	40004045
324640	462972	2.85087	0.000153	0	0	0	1-HR	ALL	1ST	T1	18021615
004740	4000=0	0.0004	0.0004=0		_		4		407	UCAR	1000101-
324740	462972	2.9381	0.000172	0	0	0	1-HR	ALL	1ST	T1	18021615

324840 324940 325040 325140	462972 462972 462972 462972	2.999025 2.79215 3.12734	0.000181 0.000178 0.000204	0 0	0	0	1-HR 1-HR	ALL	1ST	UCAR T1 UCAR T1	18021615 18111513
324940 325040 325140	462972 462972	2.79215	0.000178	0					1ST		
325040 325140	462972				0	U					
325140		3.12734	0.000204	· ^	_					UCAR	
	462972			U	0	0	1-HR	ALL	1ST	T1 UCAR	18112813
		3.317945	0.0003	0	0	0	1-HR	ALL	1ST	T1	18030516
325240	462972	3.160193	0.000361	0	0	0	1-HR	ALL	1ST	UCAR T1	18030516
325340	462972	3.163609	0.000326	0	0	0	1-HR	ALL	1ST	UCAR T1	18030516
										UCAR	
325440	462972	3.385327	0.000201	0	0	0	1-HR	ALL	1ST	T1	18030516
325540	462972	2.971607	0.000254	0	0	0	1-HR	ALL	1ST	UCAR T1	18112613
205040	400070	0.045040	0.00000			•	4 110	A	4.OT	UCAR	10110710
325640	462972	3.845212	0.000399	0	0	U	I-HK	ALL	151		18110713
325740	462972	3.261572	0.000378	0	0	0	1-HR	ALL	1ST	T1	18110713
325840	462972	2.259384	0.000287	0	0	0	1-HR	ALL	1ST		18021619
										UCAR	
325940	462972	2.002552	0.000391	0	0	0	1-HR	ALL	1ST	T1	18021618
326040	462972	2.769148	0.000326	0	0	0	1-HR	ALL	1ST	T1	18032618
				_	_					UCAR	
326140	462972	3.060572	0.000466	0	0	0	1-HR	ALL	1ST		18110714
326240	462972	3.283	0.00103	0	0	0	1-HR	ALL	1ST	T1	18030517
326340	462972	3.228098	0.000281	0	0	0	1-HR	ALL	1ST	UCAR T1	18110520
						0				UCAR T1	18031521
	325540 325640 325740 325840 325940 326040 326140	325240 462972 325340 462972 325440 462972 325540 462972 325640 462972 325740 462972 325840 462972 325940 462972 326040 462972 326140 462972 326340 462972 326340 462972 326340 462972	325240 462972 3.160193 325340 462972 3.163609 325440 462972 3.385327 325540 462972 2.971607 325640 462972 3.845212 325740 462972 3.261572 325840 462972 2.259384 325940 462972 2.769148 326040 462972 3.060572 326240 462972 3.283 326340 462972 3.228098	325240 462972 3.160193 0.000361 325340 462972 3.163609 0.000326 325440 462972 3.385327 0.000201 325540 462972 2.971607 0.000254 325640 462972 3.845212 0.000399 325740 462972 3.261572 0.000378 325840 462972 2.259384 0.000287 325940 462972 2.002552 0.000391 326040 462972 2.769148 0.000326 326140 462972 3.060572 0.000466 326240 462972 3.283 0.00103 326340 462972 3.228098 0.000281	325240 462972 3.160193 0.000361 0 325340 462972 3.163609 0.000326 0 325440 462972 3.385327 0.000201 0 325540 462972 2.971607 0.000254 0 325640 462972 3.845212 0.000399 0 325740 462972 3.261572 0.000378 0 325840 462972 2.259384 0.000287 0 325940 462972 2.002552 0.000391 0 326040 462972 2.769148 0.000326 0 326140 462972 3.060572 0.000466 0 326340 462972 3.228098 0.000281 0	325240 462972 3.160193 0.000361 0 0 325340 462972 3.163609 0.000326 0 0 325440 462972 3.385327 0.000201 0 0 325540 462972 2.971607 0.000254 0 0 325640 462972 3.845212 0.000399 0 0 325740 462972 3.261572 0.000378 0 0 325840 462972 2.259384 0.000287 0 0 325940 462972 2.002552 0.000391 0 0 326040 462972 2.769148 0.000326 0 0 326140 462972 3.060572 0.000466 0 0 326340 462972 3.283 0.00103 0 0 326340 462972 3.228098 0.000281 0 0	325240 462972 3.160193 0.000361 0 0 0 325340 462972 3.163609 0.000326 0 0 0 325440 462972 3.385327 0.000201 0 0 0 325540 462972 2.971607 0.000254 0 0 0 325640 462972 3.845212 0.000399 0 0 0 325740 462972 3.261572 0.000378 0 0 0 325840 462972 2.259384 0.000287 0 0 0 325940 462972 2.002552 0.000391 0 0 0 326040 462972 3.060572 0.000466 0 0 0 326240 462972 3.283 0.00103 0 0 0 326340 462972 3.228098 0.000281 0 0 0	325240 462972 3.160193 0.000361 0 0 0 1-HR 325340 462972 3.163609 0.000326 0 0 0 1-HR 325440 462972 3.385327 0.000201 0 0 0 1-HR 325540 462972 2.971607 0.000254 0 0 0 1-HR 325640 462972 3.845212 0.000399 0 0 0 1-HR 325740 462972 3.261572 0.000378 0 0 0 1-HR 325840 462972 2.259384 0.000287 0 0 1-HR 325940 462972 2.002552 0.000391 0 0 0 1-HR 326040 462972 3.060572 0.000466 0 0 0 1-HR 326240 462972 3.283 0.00103 0 0 0 1-HR 326340 462972 3.228098 0.000281 0 0 0 1-HR	325240 462972 3.160193 0.000361 0 0 1-HR ALL 325340 462972 3.163609 0.000326 0 0 0 1-HR ALL 325440 462972 3.385327 0.000201 0 0 0 1-HR ALL 325540 462972 2.971607 0.000254 0 0 0 1-HR ALL 325640 462972 3.845212 0.000399 0 0 0 1-HR ALL 325740 462972 3.261572 0.000378 0 0 1-HR ALL 325840 462972 2.259384 0.000287 0 0 1-HR ALL 325940 462972 2.002552 0.000391 0 0 1-HR ALL 326040 462972 3.060572 0.000466 0 0 1-HR ALL 326340 462972 3.283 0.00103 0 0 1-HR ALL 326340 462972 3.228098 0.000281 0 0<	325240 462972 3.160193 0.000361 0 0 1-HR ALL 1ST 325340 462972 3.163609 0.000326 0 0 1-HR ALL 1ST 325440 462972 3.385327 0.000201 0 0 0 1-HR ALL 1ST 325540 462972 2.971607 0.000254 0 0 0 1-HR ALL 1ST 325640 462972 3.845212 0.000399 0 0 0 1-HR ALL 1ST 325740 462972 3.261572 0.000378 0 0 0 1-HR ALL 1ST 325840 462972 2.259384 0.000287 0 0 0 1-HR ALL 1ST 326040 462972 2.002552 0.000391 0 0 0 1-HR ALL 1ST 326140 462972 3.060572 0.000466 0 0 0 </td <td>3.25240 462972 3.160193 0.000361 0 0 0 1-HR ALL 1ST T1 UCAR 3.25340 462972 3.163609 0.000326 0 0 0 1-HR ALL 1ST T1 UCAR 3.25440 462972 3.385327 0.000201 0 0 0 1-HR ALL 1ST T1 UCAR 3.25540 462972 2.971607 0.000254 0 0 0 1-HR ALL 1ST T1 UCAR 3.25540 462972 3.845212 0.000399 0 0 0 1-HR ALL 1ST T1 UCAR 3.25640 462972 3.261572 0.000378 0 0 0 1-HR ALL 1ST T1 UCAR 3.25840 462972 2.259384 0.000287 0 0 0 1-HR ALL 1ST T1 UCAR 3.25940 462972 2.259384 0.000287 0 0 0 1-HR ALL 1ST T1 UCAR 3.25940 462972 2.769148 0.000391 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.260572 0.000391 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.260572 0.000366 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.283 0.00103 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.283 0.00103 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.283 0.00103 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.28098 0.000281 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.228098 0.000281 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.228098 0.000281 0 0 0 0 1-HR ALL 1ST T1 UCAR</td>	3.25240 462972 3.160193 0.000361 0 0 0 1-HR ALL 1ST T1 UCAR 3.25340 462972 3.163609 0.000326 0 0 0 1-HR ALL 1ST T1 UCAR 3.25440 462972 3.385327 0.000201 0 0 0 1-HR ALL 1ST T1 UCAR 3.25540 462972 2.971607 0.000254 0 0 0 1-HR ALL 1ST T1 UCAR 3.25540 462972 3.845212 0.000399 0 0 0 1-HR ALL 1ST T1 UCAR 3.25640 462972 3.261572 0.000378 0 0 0 1-HR ALL 1ST T1 UCAR 3.25840 462972 2.259384 0.000287 0 0 0 1-HR ALL 1ST T1 UCAR 3.25940 462972 2.259384 0.000287 0 0 0 1-HR ALL 1ST T1 UCAR 3.25940 462972 2.769148 0.000391 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.260572 0.000391 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.260572 0.000366 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.283 0.00103 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.283 0.00103 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.283 0.00103 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.28098 0.000281 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.228098 0.000281 0 0 0 1-HR ALL 1ST T1 UCAR 3.26040 462972 3.228098 0.000281 0 0 0 0 1-HR ALL 1ST T1 UCAR

										UCAR	
326540	462972	3.521352	0.000376	0	0	0	1-HR	ALL	1ST	T1	18110715
32333		515-155-								UCAR	
326640	462972	3.380281	0.000433	0	0	0	1-HR	ALL	1ST	T1	18041702
										UCAR	
326740	462972	6.340668	0.000682	0	0	0	1-HR	ALL	1ST	T1	18120319
										UCAR	
326840	462972	6.514128	0.000585	0	0	0	1-HR	ALL	1ST	T1	18032814
				_	_					UCAR	
326940	462972	4.519163	0.000357	0	0	0	1-HR	ALL	1ST	T1	18041719
00=040	4000=0	4.07.4440							4.0-	UCAR	40000=40
327040	462972	4.874419	0.000587	0.1	0.1	0	1-HR	ALL	1ST	T1	18030518
007440	400070	0.000504	0.000000				4 115		407	UCAR	10111010
327140	462972	6.263561	0.000306	1.1	1.1	0	1-HR	ALL	1ST	T1	18111013
007040	400070	4 501004	0.000000		4	_	4 110	A 1 1	1 O T	UCAR	10100017
327240	462972	4.581934	0.000303	l l	1	0	1-HR	ALL	1ST	T1	18120317
327340	462972	5.721847	0.000385	0.6	0.6	0	1-HR	ALL	1ST	UCAR T1	18032919
327340	402972	5.721047	0.000363	0.6	0.0	U	I-UU	ALL	131	UCAR	10032919
327440	462972	5.742213	0.000335	0.3	0.3	0	1-HR	ALL	1ST	T1	18120317
327440	402372	3.742213	0.000333	0.5	0.5	0	1-1111	ALL	101	UCAR	10120317
327540	462972	5.043265	0.000284	0	0	0	1-HR	ALL	1ST	T1	18111014
027010	102072	0.010200	0.000201		0	0	1 1111	/ \	101	UCAR	10111011
327640	462972	3.975188	0.000231	0	0	0	1-HR	ALL	1ST	T1	18050523
0_70.0		0.01.01.00								UCAR	
327740	462972	4.013742	0.000227	0	0	0	1-HR	ALL	1ST	T1	18102413
										UCAR	
327840	462972	4.183594	0.000248	0	0	0	1-HR	ALL	1ST	T1	18072321
										UCAR	
327940	462972	3.489359	0.000226	0	0	0	1-HR	ALL	1ST	T1	18072321
										UCAR	
328040	462972	3.430425	0.000177	0	0	0	1-HR	ALL	1ST	T1	18072321
										UCAR	
328140	462972	3.245382	0.00013	0	0	0	1-HR	ALL	1ST	T1	18091615

	I	Ī								LICAD	
328240	462972	3.120135	0.000159	0	0	0	1-HR	ALL	1ST	UCAR T1	18101322
3232.13		01120100								UCAR	
328340	462972	3.441542	0.000161	0	0	0	1-HR	ALL	1ST	T1	18101322
										UCAR	
328440	462972	3.505242	0.000138	0	0	0	1-HR	ALL	1ST	T1	18051422
										UCAR	
328540	462972	3.335783	0.000125	0	0	0	1-HR	ALL	1ST	T1	18051422
204540	400070	0.00005	0.000140		_	_	4 LID	A 1 1	101	UCAR	10001015
324540	463072	2.622995	0.000148	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021615
324640	463072	2.613109	0.000146	0	0	0	1-HR	ALL	1ST	T1	18111513
024040	+00072	2.010103	0.000140		0	0	1 1111	/\	101	UCAR	10111010
324740	463072	2.922508	0.000167	0	0	0	1-HR	ALL	1ST	T1	18112813
				_						UCAR	
324840	463072	2.992191	0.000222	0	0	0	1-HR	ALL	1ST	T1	18030516
										UCAR	
324940	463072	3.037474	0.000278	0	0	0	1-HR	ALL	1ST	T1	18030516
										UCAR	
325040	463072	3.168619	0.000285	0	0	0	1-HR	ALL	1ST	T1	18030516
005440	400070	0.00004.0	0.000000				4 110	A 1 1	40T	UCAR	10000510
325140	463072	2.939618	0.000228	0	0	0	1-HR	ALL	1ST	T1 UCAR	18030516
325240	463072	3.326894	0.000164	0	0	0	1-HR	ALL	1ST	T1	18111514
323240	70001Z	0.020034	0.000104	0	0	0	1 1111	ALL	101	UCAR	10111314
325340	463072	2.957077	0.000212	0	0	0	1-HR	ALL	1ST	T1	18112613
3233.0										UCAR	
325440	463072	3.570324	0.000298	0	0	0	1-HR	ALL	1ST	T1	18110713
										UCAR	
325540	463072	3.766563	0.000346	0	0	0	1-HR	ALL	1ST	T1	18110713
										UCAR	
325640	463072	2.119431	0.000293	0	0	0	1-HR	ALL	1ST	T1	18021619
005740	400070	4 00 4750	0.00004.4		_		4 115		107	UCAR	10000010
325740	463072	1.804758	0.000314	0	0	0	1-HR	ALL	1ST	T1	18032619

005040	400070	1 00 1000	0.000000	0	0	_	4 110	A	107	UCAR	10000000
325840	463072	1.804363	0.000322	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032620
325940	463072	2.319717	0.000265	0	0	0	1-HR	ALL	1ST	T1	18032618
5255.5	.0001		0.000					7 1 2 2		UCAR	
326040	463072	2.644109	0.000463	0	0	0	1-HR	ALL	1ST	T1	18110714
										UCAR	
326140	463072	2.99647	0.000743	0	0	0	1-HR	ALL	1ST	T1	18041624
000040	400070	0.000500	0.000007		0		4 110		107	UCAR	10041000
326240	463072	2.826538	0.000367	0	0	0	1-HR	ALL	1ST	T1 UCAR	18041623
326340	463072	4.432144	0.000238	0	0	0	1-HR	ALL	1ST	T1	18110520
020040	+00072	7.702177	0.000200	<u> </u>	0	0	1 1111	/ \	101	UCAR	10110320
326440	463072	2.833606	0.000664	0	0	0	1-HR	ALL	1ST	T1	18041701
										UCAR	
326540	463072	3.177652	0.000331	0	0	0	1-HR	ALL	1ST	T1	18110715
000040	4000=0	0.444004	0 000 107							UCAR	4000000
326640	463072	3.111261	0.000427	0	0	0	1-HR	ALL	1ST	T1	18032820
326740	463072	5.597975	0.000425	0	0	0	1-HR	ALL	1ST	UCAR T1	18032817
320740	403072	3.397973	0.000423	0	U	0	1-1111	ALL	101	UCAR	10032017
326840	463072	3.370147	0.000569	0	0	0	1-HR	ALL	1ST	T1	18120318
										UCAR	
326940	463072	4.541458	0.000605	0	0	0	1-HR	ALL	1ST	T1	18032814
										UCAR	
327040	463072	6.250316	0.000267	0	0	0	1-HR	ALL	1ST	T1	18030518
007140	400070	4.000507	0.000474	0	0		4 110	A	101	UCAR	10000510
327140	463072	4.920527	0.000471	0	0	0	1-HR	ALL	1ST	T1 UCAR	18030518
327240	463072	5.801478	0.000284	0	0	0	1-HR	ALL	1ST	T1	18111013
JET ETO	100072	3.301770	0.000204	<u> </u>	0	<u> </u>		/ \	101	UCAR	10111010
327340	463072	4.693434	0.000222	0	0	0	1-HR	ALL	1ST	T1	18102414
										UCAR	
327440	463072	4.421281	0.000304	0	0	0	1-HR	ALL	1ST	T1	18032919

										UCAR	
327540	463072	5.009512	0.000281	0	0	0	1-HR	ALL	1ST	T1	18120317
				_	_	_				UCAR	
327640	463072	4.944077	0.000246	0	0	0	1-HR	ALL	1ST	T1	18111014
007740	400070	4 44 0004	0.000000	0	_		4 110		101	UCAR	10111011
327740	463072	4.419031	0.000236	0	0	0	1-HR	ALL	1ST	T1 UCAR	18111014
327840	463072	3.680368	0.0002	0	0	0	1-HR	ALL	1ST	T1	18050523
027010	100072	0.00000	0.0002	0	-	0	1 1111	7122	101	UCAR	10000020
327940	463072	3.459225	0.000176	0	0	0	1-HR	ALL	1ST	T1	18102413
										UCAR	
328040	463072	3.746309	0.0002	0	0	0	1-HR	ALL	1ST	T1	18072321
										UCAR	
328140	463072	3.465995	0.000203	0	0	0	1-HR	ALL	1ST	T1	18072321
000040	400070	0.000505	0.000470	0	0		4 115		40T	UCAR	10070001
328240	463072	3.090565	0.000178	0	0	0	1-HR	ALL	1ST	T1 UCAR	18072321
328340	463072	3.088404	0.000141	0	0	0	1-HR	ALL	1ST	T1	18091615
320040	+0007 <i>E</i>	3.000+0+	0.000141	0	0	0	1 1111	ALL	101	UCAR	10051015
328440	463072	2.912207	0.000113	0	0	0	1-HR	ALL	1ST	T1	18091615
										UCAR	
328540	463072	2.880422	0.000127	0	0	0	1-HR	ALL	1ST	T1	18101322
										UCAR	
324540	463172	2.748526	0.000169	0	0	0	1-HR	ALL	1ST	T1	18030516
004040	400470	0.774700	0.000010	0			4 115		40T	UCAR	10000510
324640	463172	2.771706	0.000216	0	0	0	1-HR	ALL	1ST	T1 UCAR	18030516
324740	463172	2.874673	0.000238	0	0	0	1-HR	ALL	1ST	T1	18030516
324740	403172	2.074073	0.000236	U	U	0	1-1111	ALL	101	UCAR	10030310
324840	463172	2.972185	0.000218	0	0	0	1-HR	ALL	1ST	T1	18030516
3=10.0										UCAR	
324940	463172	2.819499	0.000161	0	0	0	1-HR	ALL	1ST	T1	18030516
										UCAR	
325040	463172	3.143402	0.000136	0	0	0	1-HR	ALL	1ST	T1	18111514

		ı					1			11045	
325140	463172	2.81753	0.000181	0	0	0	1-HR	ALL	1ST	UCAR T1	18112613
										UCAR	
325240	463172	3.170968	0.00023	0	0	0	1-HR	ALL	1ST	T1	18110713
				_	_					UCAR	
325340	463172	3.714616	0.000292	0	0	0	1-HR	ALL	1ST	T1	18110713
005440	400470	0.040000	0.000074	0			4 115		4.OT	UCAR	10000017
325440	463172	2.846632	0.000274	0	0	0	1-HR	ALL	1ST	T1	18032617
005540	400470	1 500404	0.000010	0	_		4 110	A 1 1	107	UCAR	10001010
325540	463172	1.589434	0.000213	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021619
325640	463172	1.412912	0.000302	0	0	0	1-HR	ALL	1ST	T1	18032619
323640	403172	1.412912	0.000302	U	U	U	I-UK	ALL	151	UCAR	10032019
325740	463172	1.579487	0.000306	0	0	0	1-HR	ALL	1ST	T1	18032618
323740	403172	1.57 3407	0.000300	U	U	0	1-1111	ALL	101	UCAR	10032010
325840	463172	1.934004	0.000221	0	0	0	1-HR	ALL	1ST	T1	18032618
323040	+00172	1.554004	0.000221	0	0	0	1 1111	ALL	101	UCAR	10002010
325940	463172	2.216997	0.00041	0	0	0	1-HR	ALL	1ST	T1	18110714
0200.0	100172	2.2.0007	0.00011	<u> </u>				,	10.	UCAR	10110711
326040	463172	2.347696	0.000423	0	0	0	1-HR	ALL	1ST	T1	18041624
										UCAR	
326140	463172	2.486252	0.000699	0	0	0	1-HR	ALL	1ST	T1	18030517
										UCAR	
326240	463172	3.686641	0.000195	0	0	0	1-HR	ALL	1ST	T1	18110615
										UCAR	
326340	463172	6.872467	0.000502	0	0	0	1-HR	ALL	1ST	T1	18031521
										UCAR	
326440	463172	2.587147	0.000436	0	0	0	1-HR	ALL	1ST	T1	18041701
										UCAR	
326540	463172	2.80381	0.000294	0	0	0	1-HR	ALL	1ST	T1	18110715
										UCAR	
326640	463172	2.867415	0.000392	0	0	0	1-HR	ALL	1ST	T1	18032820
				_	_	_			1	UCAR	
326740	463172	3.717619	0.000369	0	0	0	1-HR	ALL	1ST	T1	18021714

326840	463172	5.07278	0.000571	0	0	0	1-HR	ALL	1ST	UCAR T1	18120318
326940	463172	6.309609	0.000332	0	0	0	1-HR	ALL	1ST	UCAR T1	18032814
327040	463172	3.740504	0.000366	0	0	0	1-HR	ALL	1ST	UCAR T1	18032814
327040	403172	3.740304	0.000366	0	0	0	I-UU	ALL	131	UCAR	10032014
327140	463172	6.570182	0.000298	0	0	0	1-HR	ALL	1ST	T1	18030518
327240	463172	5.095736	0.000388	0	0	0	1-HR	ALL	1ST	UCAR T1	18030518
327340	463172	5.139282	0.000261	0	0	0	1-HR	ALL	1ST	UCAR T1	18111013
327440	463172	4.361402	0.00021	0	0	0	1-HR	ALL	1ST	UCAR T1	18102414
327540	463172	4.081452	0.000222	0	0	0	1-HR	ALL	1ST	UCAR T1	18101324
327640	463172	4.015899	0.000284	0	0	0	1-HR	ALL	1ST	UCAR T1	18032919
327740	463172	4.335238	0.000214	0	0	0	1-HR	ALL	1ST	UCAR T1	18120317
										UCAR	
327840	463172	4.208372	0.000216	0	0	0	1-HR	ALL	1ST	T1	18111014
327940	463172	4.207438	0.000201	0	0	0	1-HR	ALL	1ST	UCAR T1	18111014
328040	463172	3.526779	0.000175	0	0	0	1-HR	ALL	1ST	UCAR T1	18050523
328140	463172	3.371492	0.000137	0	0	0	1-HR	ALL	1ST	UCAR T1	18102413
328240	463172	3.248516	0.000167	0	0	0	1-HR	ALL	1ST	UCAR T1	18102413
328340	463172	3.224178	0.000174	0	0	0	1-HR	ALL	1ST	UCAR T1	18072321
328440	463172	2.851392	0.000171	0	0	0	1-HR	ALL	1ST	UCAR T1	18072320

										UCAR	
328540	463172	2.821646	0.000144	0	0	0	1-HR	ALL	1ST	T1	18072321
					_					UCAR	
324540	463272	2.748662	0.000194	0	0	0	1-HR	ALL	1ST	T1	18030516
										UCAR	
324640	463272	2.695969	0.000165	0	0	0	1-HR	ALL	1ST	T1	18030516
324740	463272	2.790213	0.000127	0	0	0	1-HR	ALL	1ST	UCAR T1	10111514
324740	403272	2.790213	0.000127	0	U	U	I-DK	ALL	151	UCAR	18111514
324840	463272	2.915623	0.000115	0	0	0	1-HR	ALL	1ST	T1	18111514
0_1010			0.0001.0					7		UCAR	
324940	463272	2.629481	0.000156	0	0	0	1-HR	ALL	1ST	T1	18112613
										UCAR	
325040	463272	2.772722	0.000182	0	0	0	1-HR	ALL	1ST	T1	18110713
005440	400070	0.40070	0.000044				4 115		407	UCAR	10110710
325140	463272	3.42672	0.000241	0	0	0	1-HR	ALL	1ST	T1	18110713
325240	463272	3.113964	0.000235	0	0	0	1-HR	ALL	1ST	UCAR T1	18032617
323240	403272	3.113904	0.000233	0	0	0	1-1111	ALL	101	UCAR	10032017
325340	463272	2.367011	0.000216	0	0	0	1-HR	ALL	1ST	T1	18021619
			0.000							UCAR	
325440	463272	1.296932	0.000194	0	0	0	1-HR	ALL	1ST	T1	18032619
										UCAR	
325540	463272	1.15153	0.000265	0	0	0	1-HR	ALL	1ST	T1	18032619
005040	400070	4 000740	0.00000				4 115		407	UCAR	10000010
325640	463272	1.368743	0.000283	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032618
325740	463272	1.616795	0.000188	0	0	0	1-HR	ALL	1ST	T1	18032618
323740	403212	1.010793	0.000100	0	U	0	1-HIN	ALL	131	UCAR	10032010
325840	463272	1.848456	0.000348	0	0	0	1-HR	ALL	1ST	T1	18110714
5_55.0			2.000010						1.0.	UCAR	
325940	463272	1.808622	0.000282	0	0	0	1-HR	ALL	1ST	T1	18110712
										UCAR	
326040	463272	2.191164	0.000587	0	0	0	1-HR	ALL	1ST	T1	18041624

Т					1	1	1	1		1	T
326140	463272	2.195239	0.000234	0	0	0	1-HR	ALL	1ST	UCAR T1	18041623
					-					UCAR	
326240	463272	4.370981	0.000228	0	0	0	1-HR	ALL	1ST	T1	18110520
										UCAR	
326340	463272	6.437573	0.000661	0	0	0	1-HR	ALL	1ST	T1	18031521
226440	460070	0.177006	0.000242	0	0	_	1-HR	A 1 1	1ST	UCAR T1	10041701
326440	463272	2.177906	0.000243	0	0	0	I-UK	ALL	101	UCAR	18041701
326540	463272	2.451812	0.000264	0	0	0	1-HR	ALL	1ST	T1	18110715
020040	+00272	2.451012	0.000204	0	U	0	1 1111	ALL	101	UCAR	10110713
326640	463272	2.557082	0.000344	0	0	0	1-HR	ALL	1ST	T1	18032820
										UCAR	
326740	463272	3.519031	0.000347	0	0	0	1-HR	ALL	1ST	T1	18032821
										UCAR	
326840	463272	6.508812	0.000457	0	0	0	1-HR	ALL	1ST	T1	18120319
										UCAR	
326940	463272	3.42066	0.0004	0	0	0	1-HR	ALL	1ST	T1	18120318
007040	4000=0	- 4-4000								UCAR	
327040	463272	5.151383	0.000457	0	0	0	1-HR	ALL	1ST	T1	18032814
007140	400070	0.000000	0.000001	0	_		4 110	A 1 1	100	UCAR	10041710
327140	463272	3.808623	0.000231	0	0	0	1-HR	ALL	1ST	T1 UCAR	18041719
327240	463272	6.127557	0.000298	0	0	0	1-HR	ALL	1ST	T1	18030518
021240	+00272	0.127007	0.000230	0	0	0	1 1111	/ \	101	UCAR	10000010
327340	463272	5.026819	0.000326	0	0	0	1-HR	ALL	1ST	T1	18030518
02.000		0.0200.0								UCAR	
327440	463272	4.496284	0.000239	0	0	0	1-HR	ALL	1ST	T1	18111013
										UCAR	
327540	463272	3.992538	0.00019	0	0	0	1-HR	ALL	1ST	T1	18102414
										UCAR	
327640	463272	3.761142	0.000197	0	0	0	1-HR	ALL	1ST	T1	18101324
		0.00-0		_	_	_		.		UCAR	10000015
327740	463272	3.905352	0.000232	0	0	0	1-HR	ALL	1ST	T1	18032919

										UCAR	
327840	463272	3.835587	0.000229	0	0	0	1-HR	ALL	1ST	T1	18032919
										UCAR	
327940	463272	3.659571	0.000175	0	0	0	1-HR	ALL	1ST	T1	18101323
										UCAR	
328040	463272	4.098421	0.00019	0	0	0	1-HR	ALL	1ST	T1	18111014
000440	400070	0.000770	0.000470				4 115		407	UCAR	10111011
328140	463272	3.922772	0.000173	0	0	0	1-HR	ALL	1ST	T1 UCAR	18111014
328240	463272	3.314957	0.000154	0	0	0	1-HR	ALL	1ST	T1	18050523
320240	403272	3.314337	0.000134	0	0	0	1-1111	ALL	131	UCAR	10030323
328340	463272	3.190192	0.000121	0	0	0	1-HR	ALL	1ST	T1	18051420
3_33.5		01100102	0.000.2.					7	10.	UCAR	
328440	463272	3.070742	0.000139	0	0	0	1-HR	ALL	1ST	T1	18102413
										UCAR	
328540	463272	2.906966	0.000148	0	0	0	1-HR	ALL	1ST	T1	18102413
				_	_	_				UCAR	
324540	463372	2.716166	0.000113	0	0	0	1-HR	ALL	1ST	T1	18111514
204640	400070	0.700410	0.000100	0	_	_	1 110	A 1 1	10T	UCAR T1	10110010
324640	463372	2.728413	0.000102	0	0	0	1-HR	ALL	1ST	UCAR	18112613
324740	463372	2.430573	0.000137	0	0	0	1-HR	ALL	1ST	T1	18112613
324740	400072	2.400070	0.000137	0	U	0	1-1111	ALL	101	UCAR	10112013
324840	463372	2.416681	0.000158	0	0	0	1-HR	ALL	1ST	T1	18112613
0=1010										UCAR	
324940	463372	3.07132	0.000199	0	0	0	1-HR	ALL	1ST	T1	18110713
										UCAR	
325040	463372	3.087878	0.000207	0	0	0	1-HR	ALL	1ST	T1	18110713
				_	_	_		l		UCAR	
325140	463372	2.716777	0.000209	0	0	0	1-HR	ALL	1ST	T1	18032617
005040	400070	0.104100	0.000105		_		4 110	A 1 1	10T	UCAR	10001010
325240	463372	2.194169	0.000165	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021619
325340	463372	1.104496	0.00021	0	0	0	1-HR	ALL	1ST	T1	18032619
323340	403372	1.104430	0.00021	l U	ı U	U	1-00	ALL	131		10032019

										UCAR	
325440	463372	0.962217	0.000228	0	0	0	1-HR	ALL	1ST	T1	18021618
										UCAR	
325540	463372	1.185492	0.000258	0	0	0	1-HR	ALL	1ST	T1	18032618
				_	_	_				UCAR	
325640	463372	1.859467	0.000162	0	0	0	1-HR	ALL	1ST	T1	18032618
205740	400070	0 14044	0.000000	0	0		1 110	A	10T	UCAR T1	10110714
325740	463372	2.14944	0.000292	0	0	0	1-HR	ALL	1ST	UCAR	18110714
325840	463372	1.663027	0.000252	0	0	0	1-HR	ALL	1ST	T1	18112614
020010	100072	1.000027	0.000202	<u> </u>	0			/ \	101	UCAR	10112011
325940	463372	1.95339	0.000484	0	0	0	1-HR	ALL	1ST	T1	18041624
										UCAR	
326040	463372	2.985632	0.000456	0	0	0	1-HR	ALL	1ST	T1	18030517
										UCAR	
326140	463372	3.281823	0.000166	0	0	0	1-HR	ALL	1ST	T1	18110615
000040	400070	0.054000	0.000450	•			4 115		4.0.	UCAR	10110500
326240	463372	3.951998	0.000152	0	0	0	1-HR	ALL	1ST	T1	18110520
326340	463372	4.671931	0.000566	0	0	0	1-HR	ALL	1ST	UCAR T1	18031521
320340	403372	4.07 1931	0.000300	U	U	U	I-UU	ALL	131	UCAR	10031321
326440	463372	1.96151	0.000128	0	0	0	1-HR	ALL	1ST	T1	18041701
020110	10007.2	1100101	0.000120	<u> </u>				,	1.0.	UCAR	10011701
326540	463372	2.138482	0.000239	0	0	0	1-HR	ALL	1ST	T1	18110715
										UCAR	
326640	463372	2.248924	0.000294	0	0	0	1-HR	ALL	1ST	T1	18032820
										UCAR	
326740	463372	3.399348	0.000296	0	0	0	1-HR	ALL	1ST	T1	18032821
000040	400070	E 000045	0.000000	^	_		4 115		107	UCAR	10000017
326840	463372	5.362215	0.000309	0	0	0	1-HR	ALL	1ST	T1	18032817
326940	463372	3.315381	0.000453	0	0	0	1-HR	ALL	1ST	UCAR T1	18120318
320340	403372	3.313301	0.000433	U	U	U	1-1111	ALL	131	UCAR	10120310
327040	463372	5.237955	0.000215	0	0	0	1-HR	ALL	1ST	T1	18101418
327040	400072	J.ZJ1 300	0.000213	U	U	U	1-1111	/\LL	101		10101410

	1	Г				1	1			11045	
327140	463372	3.00516	0.000396	0	0	0	1-HR	ALL	1ST	UCAR T1	18032814
					_	_				UCAR	
327240	463372	4.140754	0.000223	0	0	0	1-HR	ALL	1ST	T1	18041719
207242	4000=0	= 440=00								UCAR	
327340	463372	5.416532	0.000283	0	0	0	1-HR	ALL	1ST	T1	18030518
327440	463372	4.830872	0.000278	0	0	0	1-HR	ALL	1ST	UCAR T1	18030518
927.110			0.000=.0						1.0.	UCAR	
327540	463372	3.934637	0.00022	0	0	0	1-HR	ALL	1ST	T1	18111013
										UCAR	
327640	463372	3.535508	0.000168	0	0	0	1-HR	ALL	1ST	T1	18102414
										UCAR	
327740	463372	3.645557	0.000151	0	0	0	1-HR	ALL	1ST	T1	18101324
				_						UCAR	
327840	463372	3.875309	0.000167	0	0	0	1-HR	ALL	1ST	T1	18032919
007040	400070	0.440040	0.000000	0	0		4 110		10T	UCAR	10000010
327940	463372	3.412618	0.000222	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032919
328040	463372	3.700708	0.000173	0	0	0	1-HR	ALL	1ST	T1	18032919
320040	403372	3.700700	0.000173	0	U	0	1-1111	ALL	101	UCAR	10032919
328140	463372	3.376016	0.000154	0	0	0	1-HR	ALL	1ST	T1	18101323
020110	100072	0.07 00 10	0.000101	0				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	101	UCAR	10101020
328240	463372	3.886147	0.000169	0	0	0	1-HR	ALL	1ST	T1	18111014
										UCAR	
328340	463372	3.623851	0.000151	0	0	0	1-HR	ALL	1ST	T1	18111014
										UCAR	
328440	463372	3.088747	0.000137	0	0	0	1-HR	ALL	1ST	T1	18050523
										UCAR	
328540	463372	2.972389	0.000111	0	0	0	1-HR	ALL	1ST	T1	18051420
004540	400.470	0.007045	0.000404	_	_		4 115		407	UCAR	10110010
324540	463472	2.297945	0.000121	0	0	0	1-HR	ALL	1ST	T1	18112613
324640	469470	2 111200	0.00014	_	_	_	1 40	A1.1	10T	UCAR T1	10110610
324040	463472	2.111389	0.00014	0	0	0	1-HR	ALL	1ST	1 1	18112613

										UCAR	
324740	463472	2.721708	0.000166	0	0	0	1-HR	ALL	1ST	T1	18110713
										UCAR	
324840	463472	2.914498	0.000183	0	0	0	1-HR	ALL	1ST	T1	18110713
				_	_	_				UCAR	
324940	463472	2.716284	0.000191	0	0	0	1-HR	ALL	1ST	T1	18032617
005040	400.470	0.750000	0.0004.07		_		4 110	A 1 1	10T	UCAR	10001010
325040	463472	2.759609	0.000167	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021619
325140	463472	1.815683	0.00015	0	0	0	1-HR	ALL	1ST	T1	18032615
323140	403472	1.013003	0.00013	0	0	0	1-1111	ALL	101	UCAR	10032013
325240	463472	1.01024	0.000209	0	0	0	1-HR	ALL	1ST	T1	18032619
5262.16			0.000_00					7 .==	101	UCAR	
325340	463472	0.823558	0.000203	0	0	0	1-HR	ALL	1ST	T1	18021618
										UCAR	
325440	463472	1.03056	0.000234	0	0	0	1-HR	ALL	1ST	T1	18032618
				_	_	_				UCAR	
325540	463472	2.045753	0.000145	0	0	0	1-HR	ALL	1ST	T1	18041101
005040	400.470	0.500540	0.000045		_		4 110	A 1 1	10T	UCAR	10110711
325640	463472	2.529513	0.000245	0	0	0	1-HR	ALL	1ST	T1	18110714
325740	463472	1.488257	0.000212	0	0	0	1-HR	ALL	1ST	UCAR T1	18112614
323740	403472	1.400237	0.000212	0	U	0	1-1111	ALL	101	UCAR	10112014
325840	463472	2.177307	0.000324	0	0	0	1-HR	ALL	1ST	T1	18041624
3_33.5			0.0000= .					7 .==	101	UCAR	10011021
325940	463472	2.88356	0.000459	0	0	0	1-HR	ALL	1ST	T1	18030517
										UCAR	
326040	463472	2.227718	0.00016	0	0	0	1-HR	ALL	1ST	T1	18041623
										UCAR	
326140	463472	4.223961	0.000165	0	0	0	1-HR	ALL	1ST	T1	18110520
000040	400.470	E 447004	0.000050				4 115		407	UCAR	10001501
326240	463472	5.117894	0.000252	0	0	0	1-HR	ALL	1ST	T1	18031521
326340	463472	2.979505	0.000385	0	0	0	1-HR	ALL	1ST	UCAR T1	18041701
320340	403472	2.878303	0.000365	l U	l U	l 0	ו-חת	ALL	131	111	10041701

										UCAR	
326440	463472	2.276574	0.000076	0	0	0	1-HR	ALL	1ST	T1	18032708
										UCAR	
326540	463472	1.866492	0.000218	0	0	0	1-HR	ALL	1ST	T1	18110715
										UCAR	
326640	463472	1.968912	0.000249	0	0	0	1-HR	ALL	1ST	T1	18032820
										UCAR	
326740	463472	3.238748	0.00023	0	0	0	1-HR	ALL	1ST	T1	18032821
200040	400470	4.0==400								UCAR	40004744
326840	463472	4.655139	0.000209	0	0	0	1-HR	ALL	1ST	T1	18021714
000040	400.470	4 000005	0.00000				4 110	A 1 1	100	UCAR	10100010
326940	463472	4.820625	0.00036	0	0	0	1-HR	ALL	1ST	T1 UCAR	18120318
327040	463472	3.414291	0.000296	0	0	0	1-HR	ALL	1ST	T1	18120318
327040	403472	3.414291	0.000296	U	U	U	I-UU	ALL	131	UCAR	10120310
327140	463472	4.722643	0.000321	0	0	0	1-HR	ALL	1ST	T1	18032814
327140	700772	7.722040	0.000321	0	0	0	1 1111	ALL	101	UCAR	10002014
327240	463472	3.549029	0.000262	0	0	0	1-HR	ALL	1ST	T1	18032814
027210	100172	0.0.10020	0.000202	<u> </u>				,	1.0.	UCAR	10002011
327340	463472	4.320853	0.00018	0	0	0	1-HR	ALL	1ST	T1	18041719
										UCAR	
327440	463472	4.680309	0.000262	0	0	0	1-HR	ALL	1ST	T1	18030518
										UCAR	
327540	463472	4.5776	0.000241	0	0	0	1-HR	ALL	1ST	T1	18030518
										UCAR	
327640	463472	3.759856	0.000202	0	0	0	1-HR	ALL	1ST	T1	18111013
00==40	400470	0.040000	0.0004.4=							UCAR	40400444
327740	463472	3.218236	0.000147	0	0	0	1-HR	ALL	1ST	T1	18102414
007040	400.470	0.400505	0.0001.40				4 110	A	100	UCAR	10100111
327840	463472	3.429535	0.000146	0	0	0	1-HR	ALL	1ST	T1	18102414
327940	460470	2 522215	0.000165	0	0	0	1-HR	ALL	1ST	UCAR T1	10101224
32/940	463472	3.522215	0.000105	<u> </u>	U	U	1-UK	ALL	101	UCAR	18101324
328040	463472	3.622374	0.000186	0	0	0	1-HR	ALL	1ST	T1	18032919
320040	400472	3.022374	0.000100	l U	1 0	U	1-1117	ALL	101	111	10032313

328140	463472	3.570751	0.000189	0	0	0	1-HR	ALL	1ST	UCAR T1	18032919
328240	463472	3.359861	0.000133	0	0	0	1-HR	ALL	1ST	UCAR T1	18101323
										UCAR	
328340	463472	3.255895	0.000141	0	0	0	1-HR	ALL	1ST	T1 UCAR	18111014
328440	463472	3.636773	0.00015	0	0	0	1-HR	ALL	1ST	T1	18111014
328540	463472	3.337322	0.000134	0	0	0	1-HR	ALL	1ST	UCAR T1	18111014
324540	463572	2.405147	0.000138	0	0	0	1-HR	ALL	1ST	UCAR T1	18110713
324640	463572	2.682704	0.00016	0	0	0	1-HR	ALL	1ST	UCAR T1	18110713
324740	463572	2.528436	0.000164	0	0	0	1-HR	ALL	1ST	UCAR T1	18032617
324840	463572	2.975423	0.000166	0	0	0	1-HR	ALL	1ST	UCAR T1	18032617
324940	463572	2.509155	0.000133	0	0	0	1-HR	ALL	1ST	UCAR T1	18032615
325040	463572	1.402745	0.000145	0	0	0	1-HR	ALL	1ST	UCAR T1	18032619
										UCAR	
325140	463572	0.899006	0.000195	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032619
325240	463572	0.746062	0.000178	0	0	0	1-HR	ALL	1ST	T1	18021618
325340	463572	0.900784	0.000211	0	0	0	1-HR	ALL	1ST	UCAR T1	18032618
325440	463572	2.147473	0.000132	0	0	0	1-HR	ALL	1ST	UCAR T1	18041101
325540	463572	2.752828	0.000207	0	0	0	1-HR	ALL	1ST	UCAR T1	18110714
325640	463572	1.315505	0.000207	0	0	0	1-HR	ALL	1ST	UCAR T1	18110714

Environmental Impac		r the Waste to Energy I	Facility in Thilafus	hi Island, Maldive	5					
325740	463573	2 484053	0.000106	0	0	0	1_UD	۸۱۱	1QT	

										UCAR	
325740	463572	2.484053	0.000196	0	0	0	1-HR	ALL	1ST	T1	18041624
										UCAR	
325840	463572	2.160347	0.000413	0	0	0	1-HR	ALL	1ST	T1	18041624
225242	400==0	0.070.470	0.0004							UCAR	40000=4=
325940	463572	3.073478	0.00031	0	0	0	1-HR	ALL	1ST	T1	18030517
000040	400570	0.070004	0.000141	0	0		4 110	A 1 1	10T	UCAR	10110015
326040	463572	2.976604	0.000141	0	0	0	1-HR	ALL	1ST	T1 UCAR	18110615
326140	463572	3.744847	0.00017	0	0	0	1-HR	ALL	1ST	T1	18110520
320140	403372	3.744047	0.00017	0	U	U	1-1111	ALL	131	UCAR	10110320
326240	463572	5.104329	0.00037	0	0	0	1-HR	ALL	1ST	T1	18031521
020210	100072	0.101020	0.00001	<u> </u>	0	U		/ \	101	UCAR	10001021
326340	463572	3.042754	0.000373	0	0	0	1-HR	ALL	1ST	T1	18041701
										UCAR	
326440	463572	2.673897	0.000074	0	0	0	1-HR	ALL	1ST	T1	18031517
										UCAR	
326540	463572	1.864376	0.000201	0	0	0	1-HR	ALL	1ST	T1	18110715
										UCAR	
326640	463572	2.182082	0.000211	0	0	0	1-HR	ALL	1ST	T1	18032820
				_						UCAR	
326740	463572	3.520645	0.000203	0	0	0	1-HR	ALL	1ST	T1	18032820
000040	400570	0.070500	0.000050		0	_	4 115		4.OT	UCAR	10001714
326840	463572	3.879529	0.000256	0	0	0	1-HR	ALL	1ST	T1	18021714
326940	463572	5.397342	0.00033	0	0	0	1-HR	ALL	1ST	UCAR T1	18120319
320940	403372	5.597542	0.00033	U	U	U	I-III	ALL	131	UCAR	10120319
327040	463572	3.424153	0.000357	0	0	0	1-HR	ALL	1ST	T1	18120318
327040	400012	0.424100	0.000337	0	U	0	1-1111	ALL	101	UCAR	10120310
327140	463572	4.252809	0.000171	0	0	0	1-HR	ALL	1ST	T1	18101418
327110	.000,2		3.330171	J	<u> </u>			/		UCAR	.5.50
327240	463572	3.270177	0.000342	0	0	0	1-HR	ALL	1ST	T1	18032814
										UCAR	
327340	463572	3.496904	0.00017	0	0	0	1-HR	ALL	1ST	T1	18081219

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327440	463572	4.208072	0.000131	0	0	0	1-HR	ALL	1ST	UCAR T1	18041719
										UCAR	
327540	463572	4.013932	0.000239	0	0	0	1-HR	ALL	1ST	T1	18030518
				_	_					UCAR	
327640	463572	4.306151	0.000211	0	0	0	1-HR	ALL	1ST	T1	18030518
00==40	400==0	0.04000=	0.000400							UCAR	
327740	463572	3.616307	0.000186	0	0	0	1-HR	ALL	1ST	T1	18111013
007040	400570	0.40400	0.000407		0		4 115		407	UCAR	10100111
327840	463572	3.10486	0.000127	0	0	0	1-HR	ALL	1ST	T1	18102414
007040	400570	0.40004	0.00014	0	0		4 110		40-	UCAR	10100111
327940	463572	3.12224	0.00014	0	0	0	1-HR	ALL	1ST	T1	18102414
000040	400570	0.001050	0.000145	0	0		4 110	A 1 1	107	UCAR	10101004
328040	463572	3.301659	0.000145	0	0	0	1-HR	ALL	1ST	T1	18101324
200140	4C0E70	0.500	0.000141	0	0	0	4 110	A 1 1	101	UCAR	10000010
328140	463572	3.596	0.000141	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032919
328240	463572	3.117463	0.000179	0	0	0	1-HR	ALL	1ST	T1	18032919
320240	403372	3.117403	0.000179	0	U	U	I-UU	ALL	131	UCAR	10032919
328340	463572	3.444184	0.000152	0	0	0	1-HR	ALL	1ST	T1	18032919
320340	403372	3.444104	0.000132	U	U	U	1-1111	ALL	101	UCAR	10032313
328440	463572	3.053858	0.000128	0	0	0	1-HR	ALL	1ST	T1	18101323
320440	403372	3.033636	0.000120	U	U	U	1-1111	ALL	131	UCAR	10101323
328540	463572	3.163182	0.00013	0	0	0	1-HR	ALL	1ST	T1	18111014
020040	+00072	0.100102	0.00010	0		0	1 1111	/ \	101	UCAR	10111014
324540	463672	2.479552	0.000138	0	0	0	1-HR	ALL	1ST	T1	18110713
021010	100072	2.170002	0.000100	0				, ,,	101	UCAR	10110710
324640	463672	2.926752	0.000157	0	0	0	1-HR	ALL	1ST	T1	18032617
92.0.0			0.000.0.					,	101	UCAR	
324740	463672	2.921243	0.000133	0	0	0	1-HR	ALL	1ST	T1	18021619
									1	UCAR	
324840	463672	2.112719	0.000127	0	0	0	1-HR	ALL	1ST	T1	18032615
		J								UCAR	
324940	463672	1.036542	0.000154	0	0	0	1-HR	ALL	1ST	T1	18032619
l .	L.	l.				•	•		•	•	

										UCAR	
325040	463672	0.786742	0.000175	0	0	0	1-HR	ALL	1ST	T1	18032619
										UCAR	
325140	463672	0.673889	0.000169	0	0	0	1-HR	ALL	1ST	T1	18032620
005040	400070	0.054000	0.000101	0	0		4 115		10T	UCAR	10000010
325240	463672	0.854886	0.000191	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032618
325340	463672	2.208212	0.000122	0	0	0	1-HR	ALL	1ST	T1	18041101
023040	+00072	2.200212	0.000122	0	0	0	1 1111	/ \	101	UCAR	10041101
325440	463672	2.899147	0.000176	0	0	0	1-HR	ALL	1ST	T1	18110714
										UCAR	
325540	463672	1.651415	0.000212	0	0	0	1-HR	ALL	1ST	T1	18110714
										UCAR	
325640	463672	2.447347	0.000181	0	0	0	1-HR	ALL	1ST	T1	18112614
205740	400070	0.400500	0.000245	0	^	_	1 110	A 1 1	10T	UCAR	10041004
325740	463672	2.498508	0.000345	0	0	0	1-HR	ALL	1ST	T1 UCAR	18041624
325840	463672	3.161729	0.00036	0	0	0	1-HR	ALL	1ST	T1	18030517
020010	100072	0.101720	0.00000	3			1 1111	7122	101	UCAR	10000017
325940	463672	2.517252	0.000116	0	0	0	1-HR	ALL	1ST	T1	18110518
										UCAR	
326040	463672	3.642195	0.000112	0	0	0	1-HR	ALL	1ST	T1	18110520
				_						UCAR	
326140	463672	3.416939	0.000108	0	0	0	1-HR	ALL	1ST	T1	18110520
326240	463672	4.326083	0.000404	0	0	0	1-HR	ALL	1ST	UCAR T1	18031521
320240	403072	4.320003	0.000404	U	U	0	I-HIN	ALL	131	UCAR	10031321
326340	463672	3.290515	0.00031	0	0	0	1-HR	ALL	1ST	T1	18041701
0200.0	100072	0.2000.0	0.0000.	<u> </u>				7122	1.0.	UCAR	10011701
326440	463672	2.909662	0.000071	0	0	0	1-HR	ALL	1ST	T1	18031517
										UCAR	
326540	463672	1.986688	0.000186	0	0	0	1-HR	ALL	1ST	T1	18110715
000015	4000-5	0.4505-0	0.0004==	_	_					UCAR	
326640	463672	2.459558	0.000178	0	0	0	1-HR	ALL	1ST	T1	18032820

										UCAR	
326740	463672	3.513346	0.000214	0	0	0	1-HR	ALL	1ST	T1	18032820
										UCAR	
326840	463672	4.246506	0.000241	0	0	0	1-HR	ALL	1ST	T1	18032821
000040	400070	4 704 407	0.000044	0	0		4 115		10T	UCAR	10000017
326940	463672	4.721467	0.000241	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032817
327040	463672	3.54583	0.000323	0	0	0	1-HR	ALL	1ST	T1	18120318
027040	+00072	0.04000	0.000020	0	0	0	1 1111	/ \	101	UCAR	10120010
327140	463672	3.416842	0.000228	0	0	0	1-HR	ALL	1ST	T1	18120318
										UCAR	
327240	463672	4.085231	0.000224	0	0	0	1-HR	ALL	1ST	T1	18032814
										UCAR	
327340	463672	3.052474	0.000283	0	0	0	1-HR	ALL	1ST	T1	18032814
007440	400070	0.440470	0.0004.07	0			4 115		4.OT	UCAR	10041710
327440	463672	3.446472	0.000167	0	0	0	1-HR	ALL	1ST	T1	18041719
327540	463672	4.074007	0.000126	0	0	0	1-HR	ALL	1ST	UCAR T1	18030518
327340	403072	4.074007	0.000120	U	U	0	1-1111	ALL	101	UCAR	10030310
327640	463672	3.819939	0.000217	0	0	0	1-HR	ALL	1ST	T1	18030518
327010		0.0.0000	0.000=						101	UCAR	10000010
327740	463672	4.037536	0.000186	0	0	0	1-HR	ALL	1ST	T1	18030518
										UCAR	
327840	463672	3.453012	0.000172	0	0	0	1-HR	ALL	1ST	T1	18111013
				_	_	_				UCAR	
327940	463672	2.996742	0.000119	0	0	0	1-HR	ALL	1ST	T1	18111013
000040	400070	0.001071	0.000100	0	_		4 110	A	101	UCAR	10100414
328040	463672	3.061871	0.000132	0	0	0	1-HR	ALL	1ST	T1 UCAR	18102414
328140	463672	3.172835	0.000117	0	0	0	1-HR	ALL	1ST	T1	18101324
320140	700072	0.172000	0.000117	U	U	0	1-1111	ALL	101	UCAR	10101324
328240	463672	3.34845	0.000135	0	0	0	1-HR	ALL	1ST	T1	18101324
5252.5	.000, 2	5.5.15.10	2.230.00					<u>-</u>	1	UCAR	10.0.021
328340	463672	3.242774	0.000153	0	0	0	1-HR	ALL	1ST	T1	18032919

										UCAR	
328440	463672	3.20873	0.000159	0	0	0	1-HR	ALL	1ST	T1	18032919
		000.0								UCAR	
328540	463672	3.173966	0.000118	0	0	0	1-HR	ALL	1ST	T1	18032919
										UCAR	
324540	463772	3.056629	0.000134	0	0	0	1-HR	ALL	1ST	T1	18032617
004040	400770	0.047070	0.000111				4 115		407	UCAR	10000015
324640	463772	2.647976	0.000111	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032615
324740	463772	1.685832	0.000113	0	0	0	1-HR	ALL	1ST	T1	18032615
324740	403772	1.003032	0.000113	U	0	0	1-1111	ALL	131	UCAR	10032013
324840	463772	0.785882	0.000155	0	0	0	1-HR	ALL	1ST	T1	18032619
32.0.0		011 00002	0.000.00						1.0.	UCAR	
324940	463772	0.681931	0.000156	0	0	0	1-HR	ALL	1ST	T1	18021618
										UCAR	
325040	463772	0.60777	0.00016	0	0	0	1-HR	ALL	1ST	T1	18032620
005440	400==0	0.0004.5	0.0004=0						4.0-	UCAR	4000040
325140	463772	0.928015	0.000173	0	0	0	1-HR	ALL	1ST	T1	18032618
325240	463772	2.236499	0.000113	0	0	0	1-HR	ALL	1ST	UCAR T1	18041101
323240	403772	2.230499	0.000113	U	U	0	I-HIN	ALL	131	UCAR	10041101
325340	463772	2.982963	0.000151	0	0	0	1-HR	ALL	1ST	T1	18110714
0200.0	100772	2.002000	0.000.01	<u> </u>				,	1.0.	UCAR	10110711
325440	463772	1.941613	0.000203	0	0	0	1-HR	ALL	1ST	T1	18110714
										UCAR	
325540	463772	2.24384	0.000179	0	0	0	1-HR	ALL	1ST	T1	18112614
				_	_	_				UCAR	
325640	463772	2.527026	0.000251	0	0	0	1-HR	ALL	1ST	T1	18041624
205740	400770	0.00000	0.000011	_	_	_	1 110	A	1 C.T.	UCAR	10041004
325740	463772	2.626366	0.000311	0	0	0	1-HR	ALL	1ST	T1 UCAR	18041624
325840	463772	2.926147	0.00022	0	0	0	1-HR	ALL	1ST	T1	18030517
323040	700772	2.320147	0.00022	0	<u> </u>	0	1 1111	ALL	101	UCAR	10000017
325940	463772	3.212125	0.000122	0	0	0	1-HR	ALL	1ST	T1	18110615
3200.0	.007.72	5.2 . 2 . 2 0	3.333 ILL							1	

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326040	463772	3.633788	0.000148	0	0	0	1-HR	ALL	1ST	UCAR T1	18110520
					0					UCAR	
326140	463772	3.734223	0.000148	0	0	0	1-HR	ALL	1ST	T1	18031521
200040	400==0	0.04000	0.00001						40-	UCAR	40004504
326240	463772	3.31033	0.000361	0	0	0	1-HR	ALL	1ST	T1	18031521
326340	463772	3.269052	0.000234	0	0	0	1-HR	ALL	1ST	UCAR T1	18041701
										UCAR	
326440	463772	3.032355	0.000067	0	0	0	1-HR	ALL	1ST	T1	18031517
										UCAR	
326540	463772	2.07062	0.000172	0	0	0	1-HR	ALL	1ST	T1	18110715
										UCAR	
326640	463772	2.66798	0.000151	0	0	0	1-HR	ALL	1ST	T1	18032820
										UCAR	
326740	463772	3.318821	0.000215	0	0	0	1-HR	ALL	1ST	T1	18032820
										UCAR	
326840	463772	4.094284	0.000222	0	0	0	1-HR	ALL	1ST	T1	18032821
										UCAR	
326940	463772	4.340464	0.000186	0	0	0	1-HR	ALL	1ST	T1	18032817
										UCAR	
327040	463772	4.627232	0.000284	0	0	0	1-HR	ALL	1ST	T1	18120319
007440	400770	0.000400	0.000004	•			4 115		407	UCAR	10100010
327140	463772	3.220109	0.000284	0	0	0	1-HR	ALL	1ST	T1	18120318
007040	400770	0.405070	0.000100	0	0		4 110	A 1 1	107	UCAR	10101410
327240	463772	3.495276	0.000139	0	0	0	1-HR	ALL	1ST	T1 UCAR	18101418
227240	460770	2 244510	0.000272	0	0	0	1-HR	ALL	1ST	T1	10000014
327340	463772	3.244518	0.000272	U	U	U	I-HK	ALL	151	UCAR	18032814
327440	463772	3.197141	0.000198	0	0	0	1-HR	ALL	1ST	T1	18032814
321440	403772	3.13 <i>1</i> 141	0.000196	U	U	U	1-111	ALL	131	UCAR	10032014
327540	463772	3.641655	0.000162	0	0	0	1-HR	ALL	1ST	T1	18041719
027 040	700112	0.0+1000	0.000102	0	0	0	1 1111	/12	101	UCAR	100-1713
327640	463772	3.824652	0.00013	0	0	0	1-HR	ALL	1ST	T1	18030518
327010	.00772	5.5£ 166£	0.00010	0				,,	1	1	10000010

										UCAR	
327740	463772	3.626857	0.000196	0	0	0	1-HR	ALL	1ST	T1	18030518
				_	_	_				UCAR	
327840	463772	3.782353	0.000165	0	0	0	1-HR	ALL	1ST	T1	18030518
007040	400770	0.004450	0.000150	0	_		4 110	A	10.	UCAR	10111010
327940	463772	3.284153	0.000159	0	0	0	1-HR	ALL	1ST	T1 UCAR	18111013
328040	463772	2.853904	0.000115	0	0	0	1-HR	ALL	1ST	T1	18111013
020010	100772	2.000001	0.000110	0		0	1 1111	7122	101	UCAR	10111010
328140	463772	2.949386	0.000121	0	0	0	1-HR	ALL	1ST	T1	18102414
										UCAR	
328240	463772	2.945281	0.000109	0	0	0	1-HR	ALL	1ST	T1	18102414
										UCAR	
328340	463772	2.98331	0.000129	0	0	0	1-HR	ALL	1ST	T1	18101324
000440	400770	0.000070	0.000101	0	0		4 115		10T	UCAR	10000010
328440	463772	3.230976	0.000121	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032919
328540	463772	2.791134	0.000149	0	0	0	1-HR	ALL	1ST	T1	18032919
320340	403772	2.731104	0.000143	0	0	0	1-1111	ALL	101	UCAR	10032313
324540	463872	2.263311	0.000109	0	0	0	1-HR	ALL	1ST	T1	18032615
32.0.0										UCAR	
324640	463872	1.295362	0.000113	0	0	0	1-HR	ALL	1ST	T1	18032619
										UCAR	
324740	463872	0.719197	0.000149	0	0	0	1-HR	ALL	1ST	T1	18032619
				_						UCAR	
324840	463872	0.588321	0.000144	0	0	0	1-HR	ALL	1ST	T1	18021618
204040	400070	0.547000	0.000151	0	^	_	1 110	A 1 1	10T	UCAR T1	10000010
324940	463872	0.547899	0.000151	0	0	0	1-HR	ALL	1ST	UCAR	18032618
325040	463872	0.98537	0.000156	0	0	0	1-HR	ALL	1ST	T1	18032618
020040	+00072	0.30337	0.000130	0		0	1 1111	/\LL	101	UCAR	10002010
325140	463872	2.239621	0.000105	0	0	0	1-HR	ALL	1ST	T1	18041101
		2 2 3 2							_	UCAR	
325240	463872	3.017963	0.00013	0	0	0	1-HR	ALL	1ST	T1	18110714

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										UCAR	
325340	463872	2.177678	0.00019	0	0	0	1-HR	ALL	1ST	T1	18110714
										UCAR	
325440	463872	1.967691	0.000165	0	0	0	1-HR	ALL	1ST	T1	18112614
										UCAR	
325540	463872	2.737406	0.000168	0	0	0	1-HR	ALL	1ST	T1	18041624
										UCAR	
325640	463872	2.507208	0.000306	0	0	0	1-HR	ALL	1ST	T1	18041624
										UCAR	
325740	463872	3.133385	0.000277	0	0	0	1-HR	ALL	1ST	T1	18030517
										UCAR	
325840	463872	2.636008	0.000102	0	0	0	1-HR	ALL	1ST	T1	18110518
										UCAR	
325940	463872	3.035709	0.000096	0	0	0	1-HR	ALL	1ST	T1	18110615
0_00.0		0.000.00								UCAR	
326040	463872	3.122504	0.000129	0	0	0	1-HR	ALL	1ST	T1	18110520
		0112=001								UCAR	
326140	463872	3.865571	0.000221	0	0	0	1-HR	ALL	1ST	T1	18031521
520110		0.00001	0.000==:					7	10.	UCAR	
326240	463872	2.450814	0.000283	0	0	0	1-HR	ALL	1ST	T1	18031521
020210	100072	2.100011	0.000200	•	•			7122	101	UCAR	10001021
326340	463872	3.0689	0.000166	0	0	0	1-HR	ALL	1ST	T1	18041701
020040	+0001 <i>L</i>	0.0003	0.000100	0	0	0	1 1111	/\	101	UCAR	10041701
326440	463872	3.066513	0.000062	0	0	0	1-HR	ALL	1ST	T1	18031517
020440	+0001 <i>L</i>	0.000010	0.000002	0	0	0	1 1111	/\	101	UCAR	10001017
326540	463872	2.122823	0.000161	0	0	0	1-HR	ALL	1ST	T1	18110715
320340	+0001 <i>E</i>	2.122020	0.000101	0	0	- 0	1 11111	ALL	101	UCAR	10110713
326640	463872	2.814813	0.000147	0	0	0	1-HR	ALL	1ST	T1	18021716
320040	403072	2.014013	0.000147	U	0	0	1-1111	ALL	131	UCAR	10021710
326740	463872	3.025597	0.000209	0	0	0	1-HR	A 1 1	1ST	T1	18032820
320/40	403072	3.020097	0.000209	U	0	0	1-05	ALL	101	UCAR	10032020
226040	462070	0.605000	0.000100	^	^	_	1 UD	A	10T	T1	1000001
326840	463872	3.625323	0.000192	0	0	0	1-HR	ALL	1ST		18032821
000040	400070	0.010070	0.000175	•	_		4 110	A	1 CT	UCAR	10001711
326940	463872	3.618879	0.000175	0	0	0	1-HR	ALL	1ST	T1	18021714

T		I								UCAR	
327040	463872	4.800374	0.000252	0	0	0	1-HR	ALL	1ST	T1	18120319
										UCAR	
327140	463872	3.25264	0.000279	0	0	0	1-HR	ALL	1ST	T1	18120318
										UCAR	
327240	463872	3.262914	0.00018	0	0	0	1-HR	ALL	1ST	T1	18120318
										UCAR	
327340	463872	3.500983	0.000159	0	0	0	1-HR	ALL	1ST	T1	18032814
										UCAR	
327440	463872	2.986834	0.000261	0	0	0	1-HR	ALL	1ST	T1	18032814
007540	400070	0.400740	0.000400				4 115		407	UCAR	10001010
327540	463872	3.136742	0.000128	0	0	0	1-HR	ALL	1ST	T1	18081219
007040	400070	0.050004	0.000141		_		4 110	A 1 1	100	UCAR	10041710
327640	463872	3.650094	0.000141	0	0	0	1-HR	ALL	1ST	T1 UCAR	18041719
327740	463872	3.527001	0.00013	0	0	0	1-HR	ALL	1ST	T1	18030518
321140	403072	3.327001	0.00013	U	U	0	I-UU	ALL	131	UCAR	10030310
327840	463872	3.416963	0.000178	0	0	0	1-HR	ALL	1ST	T1	18030518
327040	+00072	0.410000	0.000170	0	0	0	1 1111	ALL	101	UCAR	10000010
327940	463872	3.648936	0.000148	0	0	0	1-HR	ALL	1ST	T1	18030518
027010	100072	0.010000	0.000110			Ŭ		/ \	101	UCAR	10000010
328040	463872	3.117922	0.000148	0	0	0	1-HR	ALL	1ST	T1	18111013
				-						UCAR	
328140	463872	2.796529	0.000111	0	0	0	1-HR	ALL	1ST	T1	18111013
										UCAR	
328240	463872	2.785434	0.000111	0	0	0	1-HR	ALL	1ST	T1	18102414
										UCAR	
328340	463872	2.841818	0.000107	0	0	0	1-HR	ALL	1ST	T1	18102414
										UCAR	
328440	463872	3.05887	0.000114	0	0	0	1-HR	ALL	1ST	T1	18101324
										UCAR	
328540	463872	3.064221	0.00011	0	0	0	1-HR	ALL	1ST	T1	18101324
				_						UCAR	
324540	463972	0.969349	0.000119	0	0	0	1-HR	ALL	1ST	T1	18032619

324640	463972	0.650703	0.000139	0	0	0	1-HR	ALL	1ST	UCAR T1	18032619
324740	463972	0.506897	0.000131	0	0	0	1-HR	ALL	1ST	UCAR T1	18021618
324740	403972	0.506697	0.000131	U	U	U	I-UU	ALL	131	UCAR	10021010
324840	463972	0.496159	0.000145	0	0	0	1-HR	ALL	1ST	T1	18032618
324940	463972	1.028637	0.000142	0	0	0	1-HR	ALL	1ST	UCAR T1	18032618
324340	+00012	1.020007	0.000142	0	0	0	1 1111	ALL	101	UCAR	10002010
325040	463972	2.22367	0.000098	0	0	0	1-HR	ALL	1ST	T1	18041101
325140	462070	2.015024	0.000113	0	0	0	1 UD	ALL	1ST	UCAR T1	18110714
323140	463972	3.015824	0.000113	0	U	U	1-HR	ALL	101	UCAR	10110/14
325240	463972	2.359954	0.000175	0	0	0	1-HR	ALL	1ST	T1	18110714
				_	_					UCAR	
325340	463972	1.678509	0.000144	0	0	0	1-HR	ALL	1ST	T1	18112614
										UCAR	
325440	463972	2.727663	0.000123	0	0	0	1-HR	ALL	1ST	T1	18112614
2055 40	400070	0.000040	0.00050				4 110		4.07	UCAR	10011001
325540	463972	2.699343	0.000259	0	0	0	1-HR	ALL	1ST	T1	18041624
325640	463972	2.799626	0.000265	0	0	0	1-HR	ALL	1ST	UCAR T1	18030517
323040	403972	2.799020	0.000203	0	U	U	I-UU	ALL	131	UCAR	10030317
325740	463972	2.688861	0.000162	0	0	0	1-HR	ALL	1ST	T1	18030517
										UCAR	
325840	463972	3.26293	0.000106	0	0	0	1-HR	ALL	1ST	T1	18110615
										UCAR	
325940	463972	3.251454	0.000117	0	0	0	1-HR	ALL	1ST	T1	18110520
326040	463972	3.254181	0.000087	0	0	0	1-HR	ALL	1ST	UCAR T1	18122014
320040	403372	3.234101	0.000067	U	U	U	1-1111	ALL	131	UCAR	10122014
326140	463972	3.567372	0.000266	0	0	0	1-HR	ALL	1ST	T1	18031521
										UCAR	
326240	463972	2.756515	0.000254	0	0	0	1-HR	ALL	1ST	T1	18041701

										UCAR	
326340	463972	2.773211	0.000113	0	0	0	1-HR	ALL	1ST	T1	18041701
										UCAR	
326440	463972	3.082068	0.000057	0	0	0	1-HR	ALL	1ST	T1	18031517
000540	400070	0.440404	0.000454	0	0		4 110		10T	UCAR	10110715
326540	463972	2.149431	0.000151	0	0	0	1-HR	ALL	1ST	T1 UCAR	18110715
326640	463972	2.909534	0.000147	0	0	0	1-HR	ALL	1ST	T1	18021716
020040	+00372	2.50550+	0.000141	<u> </u>	0	0	1 1111	/ \	101	UCAR	10021710
326740	463972	2.695528	0.000199	0	0	0	1-HR	ALL	1ST	T1	18032820
										UCAR	
326840	463972	3.192114	0.000158	0	0	0	1-HR	ALL	1ST	T1	18032821
										UCAR	
326940	463972	3.778057	0.000195	0	0	0	1-HR	ALL	1ST	T1	18021714
007040	400070	4.007000	0.000407	0			4 110		407	UCAR	10000017
327040	463972	4.227938	0.000197	0	0	0	1-HR	ALL	1ST	T1	18032817
327140	463972	3.58688	0.000243	0	0	0	1-HR	ALL	1ST	UCAR T1	18032815
327140	400372	3.30000	0.000243	<u> </u>	0	0	1-1111	ALL	101	UCAR	10032013
327240	463972	2.912339	0.000229	0	0	0	1-HR	ALL	1ST	T1	18120318
9-1-10										UCAR	
327340	463972	3.135764	0.00012	0	0	0	1-HR	ALL	1ST	T1	18080117
										UCAR	
327440	463972	3.014073	0.000209	0	0	0	1-HR	ALL	1ST	T1	18032814
				_						UCAR	
327540	463972	2.90887	0.000213	0	0	0	1-HR	ALL	1ST	T1	18032814
207040	400070	0.057070	0.000100	0	^	_	1 110	A 1 1	10T	UCAR T1	10001010
327640	463972	3.257073	0.000132	0	0	0	1-HR	ALL	1ST	UCAR	18081219
327740	463972	3.500603	0.000114	0	0	0	1-HR	ALL	1ST	T1	18041719
021140	+00072	0.000000	3.000114	<u> </u>	0	0	1 1 1111	, , , , ,	101	UCAR	10041710
327840	463972	3.219988	0.000127	0	0	0	1-HR	ALL	1ST	T1	18030518
									_	UCAR	
327940	463972	3.205108	0.000161	0	0	0	1-HR	ALL	1ST	T1	18030518

										UCAR	
328040	463972	3.570318	0.000133	0	0	0	1-HR	ALL	1ST	T1	18030518
										UCAR	
328140	463972	2.958785	0.000137	0	0	0	1-HR	ALL	1ST	T1	18111013
000040	400070	0.700744	0.000407	0	0		4 110		4.OT	UCAR	10111010
328240	463972	2.726741	0.000107	0	0	0	1-HR	ALL	1ST	T1 UCAR	18111013
328340	463972	2.638486	0.0001	0	0	0	1-HR	ALL	1ST	T1	18102414
020040	+00372	2.000+00	0.0001	<u> </u>	0	0	1 1111	/ \	101	UCAR	10102414
328440	463972	2.827247	0.000104	0	0	0	1-HR	ALL	1ST	T1	18102414
										UCAR	
328540	463972	3.01938	0.000094	0	0	0	1-HR	ALL	1ST	T1	18101324
										UCAR	
324540	464072	0.584505	0.000127	0	0	0	1-HR	ALL	1ST	T1	18032619
004040	404070	0.407400	0.000400	0			4 110		4.OT	UCAR	10110515
324640	464072	0.437183	0.000122	0	0	0	1-HR	ALL	1ST	T1	18110515
324740	464072	0.450155	0.000139	0	0	0	1-HR	ALL	1ST	UCAR T1	18032618
324740	404072	0.430133	0.000139	<u> </u>	U	0	1-1111	ALL	101	UCAR	10032010
324840	464072	1.059685	0.000129	0	0	0	1-HR	ALL	1ST	T1	18032618
32.0.0	10.07=		0.000.20						101	UCAR	1000_010
324940	464072	2.193552	0.000092	0	0	0	1-HR	ALL	1ST	T1	18041101
										UCAR	
325040	464072	2.986113	0.000104	0	0	0	1-HR	ALL	1ST	T1	18041101
				_	_	_				UCAR	
325140	464072	2.493098	0.00016	0	0	0	1-HR	ALL	1ST	T1	18110714
205040	404070	1 407005	0.000107	0	_		4 110	A	1 C T	UCAR	10110714
325240	464072	1.407805	0.000127	0	0	0	1-HR	ALL	1ST	T1 UCAR	18110714
325340	464072	2.568881	0.000134	0	0	0	1-HR	ALL	1ST	T1	18112614
323340	704072	2.300001	0.000134	0	U	0	1-1111	ALL	101	UCAR	10112014
325440	464072	2.622704	0.000198	0	0	0	1-HR	ALL	1ST	T1	18041624
3200	10.072		2.232.20					- ·- <u>-</u>	1.5.	UCAR	
325540	464072	2.456368	0.000246	0	0	0	1-HR	ALL	1ST	T1	18041624

	ı	T								116.5	
325640	464072	2.955722	0.000213	0	0	0	1-HR	ALL	1ST	UCAR T1	18030517
					0	0			1CT	UCAR	
325740	464072	2.644616	0.000091	0	0	0	1-HR	ALL	1ST	T1	18110518
325840	464072	3.092802	0.000092	0	0	0	1-HR	ALL	1ST	UCAR T1	18110615
										UCAR	
325940	464072	2.943025	0.000126	0	0	0	1-HR	ALL	1ST	T1	18110520
										UCAR	
326040	464072	2.945763	0.000096	0	0	0	1-HR	ALL	1ST	T1	18031521
										UCAR	
326140	464072	3.036407	0.000273	0	0	0	1-HR	ALL	1ST	T1	18031521
										UCAR	
326240	464072	3.029692	0.000248	0	0	0	1-HR	ALL	1ST	T1	18041701
										UCAR	
326340	464072	2.442377	0.000075	0	0	0	1-HR	ALL	1ST	T1	18041701
										UCAR	
326440	464072	3.09679	0.000058	0	0	0	1-HR	ALL	1ST	T1	18021717
										UCAR	
326540	464072	2.155804	0.000142	0	0	0	1-HR	ALL	1ST	T1	18110715
										UCAR	
326640	464072	2.961728	0.000145	0	0	0	1-HR	ALL	1ST	T1	18021716
										UCAR	
326740	464072	2.36636	0.000186	0	0	0	1-HR	ALL	1ST	T1	18032820
										UCAR	
326840	464072	3.214447	0.000129	0	0	0	1-HR	ALL	1ST	T1	18041702
										UCAR	
326940	464072	3.97041	0.000184	0	0	0	1-HR	ALL	1ST	T1	18021714
										UCAR	
327040	464072	3.770659	0.000164	0	0	0	1-HR	ALL	1ST	T1	18032817
										UCAR	
327140	464072	4.161777	0.000234	0	0	0	1-HR	ALL	1ST	T1	18120319
										UCAR	
327240	464072	3.096034	0.000237	0	0	0	1-HR	ALL	1ST	T1	18120318

										UCAR	
327340	464072	3.048145	0.000145	0	0	0	1-HR	ALL	1ST	T1	18120318
				_						UCAR	
327440	464072	3.019646	0.000131	0	0	0	1-HR	ALL	1ST	T1	18101418
										UCAR	
327540	464072	2.951623	0.000223	0	0	0	1-HR	ALL	1ST	T1	18032814
										UCAR	
327640	464072	2.942218	0.000155	0	0	0	1-HR	ALL	1ST	T1	18032814
										UCAR	
327740	464072	3.164825	0.00013	0	0	0	1-HR	ALL	1ST	T1	18041719
007040	40.4070	0.00050	0.00000				4 115		407	UCAR	10011710
327840	464072	3.260359	0.000088	0	0	0	1-HR	ALL	1ST	T1	18041719
007040	404070	0.004400	0.000100		_		4 110	A 1 1	101	UCAR	10000510
327940	464072	2.924403	0.000123	0	0	0	1-HR	ALL	1ST	T1 UCAR	18030518
328040	464072	3.150046	0.000146	0	0	0	1-HR	ALL	1ST	T1	18030518
320040	404072	3.150040	0.000140	0	U	0	I-HIN	ALL	131	UCAR	10030310
328140	464072	3.478154	0.000123	0	0	0	1-HR	ALL	1ST	T1	18111013
320140	707072	0.470104	0.000120	0	0	0	1 1111	ALL	101	UCAR	10111013
328240	464072	2.808934	0.000128	0	0	0	1-HR	ALL	1ST	T1	18111013
020210	101072	2.000001	0.000.20					/	10.	UCAR	10111010
328340	464072	2.671594	0.000102	0	0	0	1-HR	ALL	1ST	T1	18111013
				-						UCAR	
328440	464072	2.582338	0.00009	0	0	0	1-HR	ALL	1ST	T1	18102414
										UCAR	
328540	464072	2.754442	0.000099	0	0	0	1-HR	ALL	1ST	T1	18102414
										UCAR	
324540	464172	0.428246	0.000114	0	0	0	1-HR	ALL	1ST	T1	18110515
										UCAR	
324640	464172	0.409462	0.000131	0	0	0	1-HR	ALL	1ST	T1	18032618
										UCAR	
324740	464172	1.080352	0.000117	0	0	0	1-HR	ALL	1ST	T1	18032618
004045	4044	0.4504.60		_	_	_		.		UCAR	10044451
324840	464172	2.153149	0.000087	0	0	0	1-HR	ALL	1ST	T1	18041101

										UCAR	
324940	464172	2.936418	0.0001	0	0	0	1-HR	ALL	1ST	T1	18041101
										UCAR	
325040	464172	2.583612	0.000146	0	0	0	1-HR	ALL	1ST	T1	18110714
				_	_	_				UCAR	
325140	464172	1.369026	0.00013	0	0	0	1-HR	ALL	1ST	T1	18110714
325240	464172	2.327975	0.000136	0	0	0	1-HR	ALL	1ST	UCAR T1	18112614
323240	404172	2.321913	0.000136	U	U	U	I-III	ALL	131	UCAR	10112014
325340	464172	2.686188	0.000142	0	0	0	1-HR	ALL	1ST	T1	18041624
020010	.02	2,000,00	0.0001.12					,	10.	UCAR	10011021
325440	464172	2.583769	0.000235	0	0	0	1-HR	ALL	1ST	T1	18041624
										UCAR	
325540	464172	2.782984	0.000221	0	0	0	1-HR	ALL	1ST	T1	18030517
225242	4044=0	0.404500	0.000101							UCAR	40000-4-
325640	464172	2.431533	0.000124	0	0	0	1-HR	ALL	1ST	T1	18030517
325740	464172	3.203758	0.000094	0	0	0	1-HR	ALL	1ST	UCAR T1	18110615
323740	404172	3.203736	0.000094	U	U	0	1-HIN	ALL	131	UCAR	10110013
325840	464172	2.818214	0.000089	0	0	0	1-HR	ALL	1ST	T1	18110520
0_00.0			0.000000					7	10.	UCAR	
325940	464172	2.95106	0.000101	0	0	0	1-HR	ALL	1ST	T1	18110520
										UCAR	
326040	464172	3.018988	0.000141	0	0	0	1-HR	ALL	1ST	T1	18031521
000440	4044=0	0.04.40=								UCAR	40004504
326140	464172	2.81407	0.00025	0	0	0	1-HR	ALL	1ST	T1	18031521
326240	464172	3.135417	0.000223	0	0	0	1-HR	ALL	1ST	UCAR T1	18041701
320240	404172	3.133417	0.000223	U	U	U	I-DK	ALL	151	UCAR	16041701
326340	464172	2.316378	0.000049	0	0	0	1-HR	ALL	1ST	T1	18041701
525510	.0,2	2.0.0070	3.000010	<u> </u>					10.	UCAR	
326440	464172	3.069276	0.000061	0	0	0	1-HR	ALL	1ST	T1	18021717
										UCAR	
326540	464172	2.146453	0.000134	0	0	0	1-HR	ALL	1ST	T1	18110715

326640	464172	2.980119	0.000142	0	0	0	1-HR	ALL	1ST	UCAR T1	18021716
326740	464172	2.222176	0.000171	0	0	0		ALL	1ST	UCAR T1	18032820
					0					UCAR	10032020
326840	464172	3.365154	0.000126	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032820
326940	464172	3.866009	0.000173	0	0	0	1-HR	ALL	1ST	T1	18032821
327040	464172	3.342076	0.000122	0	0	0	1-HR	ALL	1ST	UCAR T1	18032823
327140	464172	4.154785	0.0002	0	0	0	1-HR	ALL	1ST	UCAR T1	18120319
327240	464172	2.788384	0.000222	0	0	0	1-HR	ALL	1ST	UCAR T1	18032815
327340	464172	2.667758	0.000186	0	0	0		ALL	1ST	UCAR T1	18120318
327440	464172	2.960249	0.000106	0	0	0	1-HR	ALL	1ST	UCAR T1	18080117
327540	464172	2.797035	0.000159	0	0	0	1-HR	ALL	1ST	UCAR T1	18032814
327640	464172	3.005775	0.000204	0	0	0	1-HR	ALL	1ST	UCAR T1	18032814
327040	707172	0.003773	0.000204	0	0	0		ALL		UCAR	10002014
327740	464172	2.808239	0.000104	0	0	0	1-HR	ALL	1ST	T1	18032814
327840	464172	2.987818	0.000126	0	0	0	1-HR	ALL	1ST	UCAR T1	18041719
327940	464172	2.978035	0.000075	0	0	0	1-HR	ALL	1ST	UCAR T1	18032219
328040	464172	2.79081	0.000117	0	0	0	1-HR	ALL	1ST	UCAR T1	18030518
328140	464172	3.143292	0.000117	0	0	0	1-HR	ALL	1ST	UCAR T1	18030518
320140	404172	3.143292	0.000133	0	0	0	1-05	ALL	131	UCAR	10030310
328240	464172	3.377697	0.000114	0	0	0	1-HR	ALL	1ST	T1	18111013

										UCAR	
328340	464172	2.6692	0.00012	0	0	0	1-HR	ALL	1ST	T1	18111013
				_	_	_				UCAR	
328440	464172	2.61748	0.000098	0	0	0	1-HR	ALL	1ST	T1	18111013
000540	404470	0.547057	0.00000	0	_		4 110	A	10T	UCAR	10100414
328540	464172	2.547657	0.00008	0	0	0	1-HR	ALL	1ST	T1 UCAR	18102414
324540	464272	0.437467	0.000124	0	0	0	1-HR	ALL	1ST	T1	18032618
02 10 10	101272	0.107 107	0.000121	0	-	0	1 1111	7122	101	UCAR	10002010
324640	464272	1.092337	0.000107	0	0	0	1-HR	ALL	1ST	T1	18032618
										UCAR	
324740	464272	2.105494	0.000082	0	0	0	1-HR	ALL	1ST	T1	18041101
										UCAR	
324840	464272	2.872633	0.000096	0	0	0	1-HR	ALL	1ST	T1	18041101
004040	404070	0.000007	0.000400	0	0		4 110		10T	UCAR	40440744
324940	464272	2.638397	0.000133	0	0	0	1-HR	ALL	1ST	T1 UCAR	18110714
325040	464272	1.53919	0.00013	0	0	0	1-HR	ALL	1ST	T1	18110714
023040	707272	1.00010	0.00010	0	0	0	1 1111	ALL	101	UCAR	10110714
325140	464272	2.054691	0.000131	0	0	0	1-HR	ALL	1ST	T1	18112614
	-									UCAR	
325240	464272	2.70601	0.000097	0	0	0	1-HR	ALL	1ST	T1	18041624
										UCAR	
325340	464272	2.683897	0.000201	0	0	0	1-HR	ALL	1ST	T1	18041624
005440	404070	0.004.000	0.000407	0			4 115		4.OT	UCAR	10000517
325440	464272	2.621636	0.000197	0	0	0	1-HR	ALL	1ST	T1 UCAR	18030517
325540	464272	2.720014	0.000166	0	0	0	1-HR	ALL	1ST	T1	18030517
323340	404272	2.720014	0.000100	U	U	0	1-1111	ALL	101	UCAR	10030317
325640	464272	2.587099	0.000083	0	0	0	1-HR	ALL	1ST	T1	18110518
52510			3.00000				1		1.0.	UCAR	13113313
325740	464272	3.122943	0.000087	0	0	0	1-HR	ALL	1ST	T1	18110615
										UCAR	
325840	464272	2.734057	0.00011	0	0	0	1-HR	ALL	1ST	T1	18110520

										UCAR	
325940	464272	2.962589	0.000075	0	0	0	1-HR	ALL	1ST	T1	18122014
										UCAR	
326040	464272	2.92675	0.000177	0	0	0	1-HR	ALL	1ST	T1	18031521
000440	404070	0.050000	0.00004	0	0		4 110		100	UCAR	10001501
326140	464272	2.652368	0.00021	0	0	0	1-HR	ALL	1ST	T1 UCAR	18031521
326240	464272	3.102625	0.000188	0	0	0	1-HR	ALL	1ST	T1	18041701
020240	404272	0.102023	0.000100	0	0	0	1 1111	/\	101	UCAR	10041701
326340	464272	2.485916	0.000043	0	0	0	1-HR	ALL	1ST	T1	18031517
										UCAR	
326440	464272	3.011112	0.000064	0	0	0	1-HR	ALL	1ST	T1	18021717
										UCAR	
326540	464272	2.125077	0.000127	0	0	0	1-HR	ALL	1ST	T1	18110715
000040	404070	0.070000	0.000400	0	0		4 110		100	UCAR	10001710
326640	464272	2.972202	0.000138	0	0	0	1-HR	ALL	1ST	T1 UCAR	18021716
326740	464272	2.372979	0.000157	0	0	0	1-HR	ALL	1ST	T1	18032820
320740	404272	2.012919	0.000137	0	0	0	1-1111	ALL	101	UCAR	10032020
326840	464272	3.377315	0.000134	0	0	0	1-HR	ALL	1ST	T1	18032820
		3,3,1,3,13								UCAR	
326940	464272	3.557011	0.000157	0	0	0	1-HR	ALL	1ST	T1	18032821
										UCAR	
327040	464272	3.044643	0.000146	0	0	0	1-HR	ALL	1ST	T1	18021714
				_						UCAR	
327140	464272	3.700463	0.000165	0	0	0	1-HR	ALL	1ST	T1	18032817
207040	404070	0.050000	0.000101	0	^	_	1 110	A 1 1	10T	UCAR T1	10100010
327240	464272	3.358909	0.000191	0	0	0	1-HR	ALL	1ST	UCAR	18120319
327340	464272	2.897557	0.000201	0	0	0	1-HR	ALL	1ST	T1	18120318
027040	707272	2.007007	5.000201	<u> </u>	0	0	1 1111	, \	101	UCAR	10120010
327440	464272	2.819196	0.000119	0	0	0	1-HR	ALL	1ST	T1	18120318
										UCAR	
327540	464272	2.804348	0.000115	0	0	0	1-HR	ALL	1ST	T1	18101418

										UCAR	
327640	464272	2.78425	0.000183	0	0	0	1-HR	ALL	1ST	T1	18032814
										UCAR	
327740	464272	2.765986	0.000166	0	0	0	1-HR	ALL	1ST	T1	18032814
										UCAR	
327840	464272	2.922567	0.000109	0	0	0	1-HR	ALL	1ST	T1	18081219
327940	464272	2.972571	0.000115	0	0	0	1-HR	ALL	1ST	UCAR T1	18041719
327 940	404212	2.312311	0.000113	0	U	0	1-1111	ALL	101	UCAR	10041719
328040	464272	2.71605	0.000072	0	0	0	1-HR	ALL	1ST	T1	18030518
										UCAR	
328140	464272	2.710423	0.000111	0	0	0	1-HR	ALL	1ST	T1	18030518
										UCAR	
328240	464272	3.114572	0.000122	0	0	0	1-HR	ALL	1ST	T1	18030518
200240	404070	0.070757	0.000107		_	_	4 LID	A 1 1	1CT	UCAR	10111010
328340	464272	3.272757	0.000107	0	0	0	1-HR	ALL	1ST	T1 UCAR	18111013
328440	464272	2.539633	0.000112	0	0	0	1-HR	ALL	1ST	T1	18111013
020110	101272	2.00000	0.0001.12					,	1.0.	UCAR	10111010
328540	464272	2.549255	0.000094	0	0	0	1-HR	ALL	1ST	T1	18111013
										UCAR	
324540	464372	1.097154	0.000098	0	0	0	1-HR	ALL	1ST	T1	18032618
004040	40.4070	0.050000	0.000070				4 115		407	UCAR	10044404
324640	464372	2.052933	0.000078	0	0	0	1-HR	ALL	1ST	T1	18041101
324740	464372	2.799282	0.000092	0	0	0	1-HR	ALL	1ST	UCAR T1	18041101
324740	404372	2.133202	0.000032	0	0	0	1-1111	ALL	101	UCAR	10041101
324840	464372	2.663989	0.00012	0	0	0	1-HR	ALL	1ST	T1	18110714
				_						UCAR	
324940	464372	1.683821	0.000127	0	0	0	1-HR	ALL	1ST	T1	18110714
										UCAR	
325040	464372	1.781001	0.000121	0	0	0	1-HR	ALL	1ST	T1	18112614
005140	404070	0.004007	0.000007			_	1 110	A	10T	UCAR	10110014
325140	464372	2.604327	0.000097	0	0	0	1-HR	ALL	1ST	T1	18112614

1	T						1	1	-	1	1
325240	464372	2.592739	0.000159	0	0	0	1-HR	ALL	1ST	UCAR T1	18041624
										UCAR	
325340	464372	2.464886	0.000198	0	0	0	1-HR	ALL	1ST	T1	18041624
325440	464372	2.661535	0.000182	0	0	0	1-HR	ALL	1ST	UCAR T1	18030517
323440	404372	2.001333	0.000102	U	0	0	1-1111	ALL	101	UCAR	10030317
325540	464372	2.454212	0.000097	0	0	0	1-HR	ALL	1ST	T1	18030517
				_	_	_				UCAR	
325640	464372	3.084273	0.000084	0	0	0	1-HR	ALL	1ST	T1	18110615
325740	464372	2.565307	0.000066	0	0	0	1-HR	ALL	1ST	UCAR T1	18110520
020140	404072	2.505007	0.000000	0	0	0	1 1111	/ \	101	UCAR	10110320
325840	464372	2.495475	0.000105	0	0	0	1-HR	ALL	1ST	T1	18110520
						_				UCAR	
325940	464372	2.879596	0.000076	0	0	0	1-HR	ALL	1ST	T1	18122014
326040	464372	2.702054	0.000196	0	0	0	1-HR	ALL	1ST	UCAR T1	18031521
020010	101072	2.702001	0.000100	3				/ \	101	UCAR	10001021
326140	464372	2.365896	0.000175	0	0	0	1-HR	ALL	1ST	T1	18041701
				_	_					UCAR	
326240	464372	2.968713	0.00015	0	0	0	1-HR	ALL	1ST	T1	18041701
326340	464372	2.600669	0.000043	0	0	0	1-HR	ALL	1ST	UCAR T1	18031517
920010			0.0000.0							UCAR	
326440	464372	2.931537	0.000065	0	0	0	1-HR	ALL	1ST	T1	18021717
000540	40.4070	0.004000	0.00010	•			4 115		4.OT	UCAR	40440745
326540	464372	2.094662	0.00012	0	0	0	1-HR	ALL	1ST	T1 UCAR	18110715
326640	464372	2.944193	0.000134	0	0	0	1-HR	ALL	1ST	T1	18021716
5_55.0	.0.072		3.000.01				1		1.0.	UCAR	13321110
326740	464372	2.476098	0.000142	0	0	0	1-HR	ALL	1ST	T1	18032820
000040	40.4070	0.000700	0.000400	^	_		4 115		107	UCAR	1000000
326840	464372	3.282729	0.000138	0	0	0	1-HR	ALL	1ST	T1	18032820

326940	464372	3.137187	0.000138	0	0	0	1-HR	ALL	1ST	UCAR T1	18032821
327040	464372	3.36735	0.000156	0	0	0	1-HR	ALL	1ST	UCAR T1	18021714
327040	404372	3.30733	0.000130	0	0	0		ALL	131	UCAR	10021714
327140	464372	3.236979	0.000145	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032817
327240	464372	3.66731	0.000195	0	0	0	1-HR	ALL	1ST	T1	18120319
327340	464372	2.763919	0.000191	0	0	0	1-HR	ALL	1ST	UCAR T1	18032815
327440	464372	2.598708	0.000153	0	0	0	1-HR	ALL	1ST	UCAR T1	18120318
327540	464372	2.76752	0.000094	0	0	0	1-HR	ALL	1ST	UCAR T1	18080117
327640	464372	2.685478	0.000121	0	0	0	1-HR	ALL	1ST	UCAR T1	18032814
327740	464372	3.011072	0.000183	0	0	0	1-HR	ALL	1ST	UCAR T1	18032814
327840	464372	2.702345	0.000124	0	0	0	1-HR	ALL	1ST	UCAR T1	18032814
327940	464372	2.888888	0.000107	0	0	0	1-HR	ALL	1ST	UCAR T1	18081219
328040	464372	2.876071	0.000098	0	0	0	1-HR	ALL	1ST	UCAR T1	18041719
328140	464372	2.702893	0.000033	0	0	0	1-HR	ALL	1ST	UCAR T1	18030518
328240	464372	2.615904	0.000073	0	0	0	1-HR	ALL	1ST	UCAR T1	18030518
										UCAR	
328340	464372	3.069678	0.000111	0	0	0	1-HR	ALL	1ST	T1 UCAR	18030518
328440	464372	3.166077	0.0001	0	0	0	1-HR	ALL	1ST	T1	18111013
328540	464372	2.489841	0.000105	0	0	0	1-HR	ALL	1ST	UCAR T1	18111013

	T	T								1101-	
324540	464472	1.997267	0.000074	0	0	0	1-HR	ALL	1ST	UCAR T1	18041101
										UCAR	
324640	464472	2.7198	0.000088	0	0	0	1-HR	ALL	1ST	T1	18041101
324740	464472	2.666207	0.000109	0	0	0	1-HR	ALL	1ST	UCAR T1	18110714
										UCAR	
324840	464472	1.802867	0.000122	0	0	0	1-HR	ALL	1ST	T1	18110714
324940	464472	1.524968	0.000108	0	0	0	1-HR	ALL	1ST	UCAR T1	18112614
				-						UCAR	
325040	464472	2.424337	0.000105	0	0	0	1-HR	ALL	1ST	T1	18112614
325140	464472	2.512465	0.000119	0	0	0	1-HR	ALL	1ST	UCAR T1	18041624
323140	404472	2.312403	0.000119	U	U	0	I-Hh	ALL	131	UCAR	10041024
325240	464472	2.518284	0.000186	0	0	0	1-HR	ALL	1ST	T1	18041624
										UCAR	
325340	464472	2.633716	0.000173	0	0	0	1-HR	ALL	1ST	T1	18030517
325440	464472	2.472963	0.00013	0	0	0	1-HR	ALL	1ST	UCAR T1	18030517
										UCAR	
325540	464472	2.564862	0.000075	0	0	0	1-HR	ALL	1ST	T1	18110518
325640	464472	3.067462	0.000081	0	0	0	1-HR	ALL	1ST	UCAR T1	18110615
										UCAR	
325740	464472	2.463277	0.00009	0	0	0	1-HR	ALL	1ST	T1	18110520
325840	464472	2.755761	0.000081	0	0	0	1-HR	ALL	1ST	UCAR T1	18110520
323040	404472	2.733701	0.000001	U	0	0	1-HIN	ALL	131	UCAR	18110320
325940	464472	3.04204	0.000095	0	0	0	1-HR	ALL	1ST	T1	18031521
	1.4.1.									UCAR	
326040	464472	2.748681	0.000196	0	0	0	1-HR	ALL	1ST	T1	18031521
326140	464472	2.485672	0.000184	0	0	0	1-HR	ALL	1ST	UCAR T1	18041701
										1	

326240	464472	2.769542	0.000116	0	0	0	1-HR	ALL	1ST	UCAR T1	18041701
326340	464472	2.667131	0.000043	0	0	0	1-HR	ALL	1ST	UCAR T1	18031517
320340	404472	2.007131	0.000043	0	0	0	1-HIN	ALL	131	UCAR	10031317
326440	464472	2.837704	0.000067	0	0	0	1-HR	ALL	1ST	T1	18021717
326540	464472	2.057591	0.000115	0	0	0	1-HR	ALL	1ST	UCAR T1	18110715
										UCAR	
326640	464472	2.901141	0.00013	0	0	0	1-HR	ALL	1ST	T1	18021716
326740	464472	2.537073	0.000128	0	0	0	1-HR	ALL	1ST	UCAR T1	18032820
										UCAR	
326840	464472	3.113777	0.000138	0	0	0	1-HR	ALL	1ST	T1	18032820
326940	464472	2.847787	0.000117	0	0	0	1-HR	ALL	1ST	UCAR T1	18032821
52010										UCAR	
327040	464472	3.48575	0.000148	0	0	0	1-HR	ALL	1ST	T1	18021714
				_	_	_				UCAR	
327140	464472	2.98431	0.00011	0	0	0	1-HR	ALL	1ST	T1	18032817
207040	464470	2 506202	0.000163		0	0	1-HR	ALL	1ST	UCAR T1	10100010
327240	464472	3.596302	0.000163	0	U	U	I-UU	ALL	151	UCAR	18120319
327340	464472	2.628726	0.000179	0	0	0	1-HR	ALL	1ST	T1	18032815
										UCAR	
327440	464472	2.657622	0.00017	0	0	0	1-HR	ALL	1ST	T1	18120318
007540	404470	0.700000	0.000105				4 110	A 1 1	10T	UCAR	10000010
327540	464472	2.728938	0.000105	0	0	0	1-HR	ALL	1ST	T1 UCAR	18032819
327640	464472	2.696308	0.000102	0	0	0	1-HR	ALL	1ST	T1	18101418
										UCAR	
327740	464472	2.6205	0.000147	0	0	0	1-HR	ALL	1ST	T1	18032814
007040	404470	0.007070	0.000100	_			4 110	A 1 1	107	UCAR	10000014
327840	464472	2.937079	0.000163	0	0	0	1-HR	ALL	1ST	T1	18032814

AERMOD DISPERSION MODEL VALIDATION STUDY SEPTEMBER 2019 Greater Male' Waste to Energy Project Environmental Impact Assessment (EIA) for the Waste to Energy Facility in Thilafushi Island, Maldives

327940 464472 2.60067 0.000087 0 0 0 1-HR ALL 1ST 328040 464472 2.749976 0.000106 0 0 0 1-HR ALL 1ST	T1 UCAR T1	18032814
328040 464472 2.749976 0.000106 0 0 1-HR ALL 1ST	T1	
328040 464472 2.749976 0.000106 0 0 0 1-HR ALL 1ST		
		18041719
328140 464472 2.726917 0.000081 0 0 1-HR ALL 1ST	UCAR T1	18041719
020140 404472 2.720317 0.000001 0 0 0 11111 ALL 101	UCAR	10041713
328240 464472 2.648025 0.000073 0 0 1-HR ALL 1ST	T1	18030518
	UCAR	
328340 464472 2.522547 0.000099 0 0 1-HR ALL 1ST	T1	18030518
000440 404470 0040454 0000400 0 0 0 4 117 417	UCAR	10000510
328440 464472 3.013151 0.000102 0 0 1-HR ALL 1ST	T1	18030518
328540 464472 3.059609 0.000093 0 0 1-HR ALL 1ST	UCAR T1	18111013
***********		10111010
Produced AERMOD		
by: View V er. 9.7.0		
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Chemical Nam e: TSP		
SRCEMISS SRCEMISS		
S1 0.0804 0.0804		
SRCEMISS		
S2 0.0804		
SRCEMISS TACK		
GSS 0.2769		
		+
CONCUNIT		
ug /m^3 DEPUNIT		
g/m ^2		

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Greater Malé Waste to Energy Project Information on Greenhouse Gas Emission Calculations (Lifted from the project's application to access JFJCM resources)

I. Specific data

1. Description of the project and the subcomponent/s with the advanced low carbon technology

The Greater Male Environmental Improvement and Waste Management Project (the Project) will establish an integrated regional solid waste management system in Greater Male including collection, transfer, treatment using waste-to-energy (WtE) technology, disposal, recycling, dumpsite closure and remediation, public awareness in reduce-reuse-recycle (3R), and to strengthen institutional capacities for service delivery and environmental monitoring.

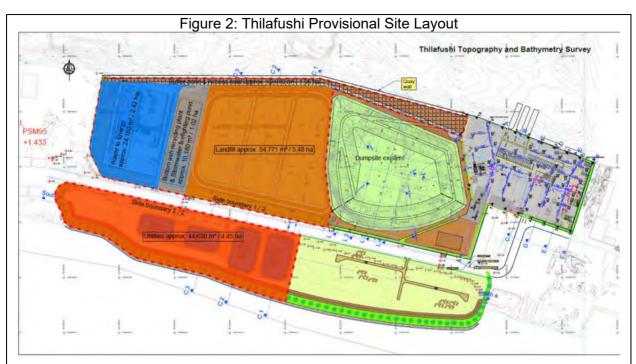
The project will be implemented in two phases. Phase 1, with an estimated cost of \$40 million, was approved by ADB in 2018, has the following components: (i) improved waste collection and transfer in Greater Male, (ii) improved dumpsite management and logistics on Thilafushi Island, (iii) improved island waste management systems, (iv) strengthened institutional capacity of WAMCO, (v) awareness campaign and behavior change, and (vi) project management, design, and supervision support.

Phase 2 (Greater Male Waste to Energy Project) is planned for ADB approval in 2020, with total estimated cost of \$137.12 million (exclusive of contingency and financing charges). It includes the following components: (i) development of regional waste management facility with 500 tons/day WtE plant with up to 12 MW power generation, (ii) Thilafushi dumpsite rehabilitation and remediation, (iii) strengthened institutional capacity to monitor standards and performance of WtE, and (iv) improved public awareness

The development of a 500 tons/day WtE plant envisioned under the Greater Male Waste to Energy Project seeks funding from the JFJCM. The required land (approx. 15 ha) has been reclaimed by the Government to accommodate the plant and ancillary facilities on the island of Thilafushi, which is an industrial island 6 kilometers from the capital Male.



1

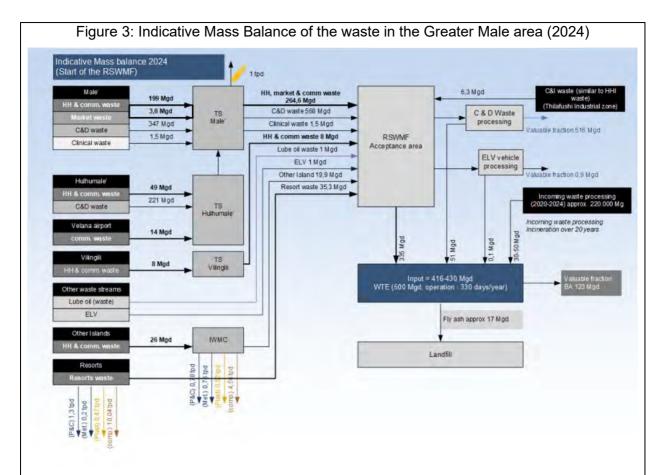


Government capacity to operate and maintain Phase 1 and Phase 2 (WtE) is supported by the Clean Authority of Tokyo (CAT), which is the public body in charge of coordinating solid waste management across Tokyo. The Project will reflect the lessons learned from the Tokyo model to effectively construct and operate the WtE system as well as to build trust for the WtE among the surrounding communities.

The project will provide integrated and sustainable solid waste management services in the Greater Malé region (Malé, Villingili & Hulhumalé) including the inhabited islands in atolls of Kaafu, Alifu Alifu, Alifu Dhaalu and Vaavu. The project area has a population of approximately 220,000 (51% of Maldives) which is spread over 35 islands and 73 tourist resorts. The population is expected to grow to 300,000 within the next five years due to the significant development of Hulhumale. Together with commercial and industrial entities, institutions and about 1 million tourists, in 2022 the residents will generate approximately 115,000 tons of Municipal Solid Waste (MSW) per year (around 315 tons per day) which is complemented by another 70,000 to 100,000 tons of construction and demolition waste (CDW). Around 10 to 15% of the CDW material is assumed to be flammable.

The 500 tons/day plant size considers projected waste growth in the Greater Male region up to 2038 and the incineration of waste bales during initial years of operations. The waste bales will be produced as temporary solid waste management solution on Thilafushi until the WtE will be commissioned. After 2039, it is planned to install additional treatment line to meet the growing waste management requirement. An indicative mass balance of the waste in the Greater Male area at the start of the WtE (2024) is summarized in Figure 3.

The latest waste audit carried out by the feasibility study consultants confirmed previous waste surveys and showed the following composition: food & kitchen waste 40%, green & garden waste 10%, other organic waste 10%, paper and cardboard 12%, plastic 10%, hazardous waste 1%, metal 4%, glass 3%, and other 10%. The net calorific value (NCV) of the waste is 7.5 MJ/kg.

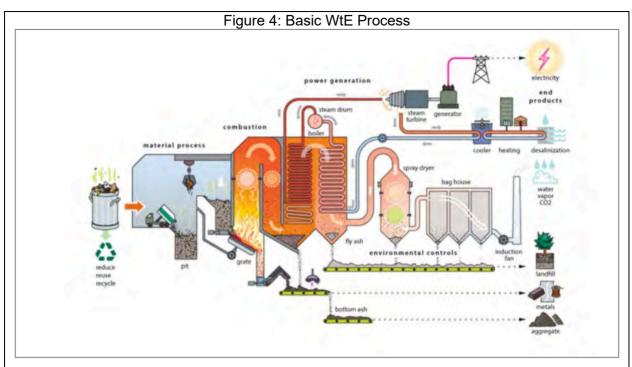


The project feasibility study selected a state-of-the-art WtE treatment based on a grate incineration due to land constraints on Thilafushi and sustainability considerations (best practicable environmental option). This WtE process is a well-known, reliable and robust disposal solution that can accommodate best the urgent needs for an environmental improvement of the waste management in the Maldives and that can cope with a broad variety of untreated waste.

The WtE subcomponents are:

- Waste reception and bunker/refuse pit
- Furnace including feeding hopper and pusher, moving grate and wet de-asher
- Boiler including superheaters and economizer
- Flue gas cleaning
- Extraction condensing type turbine and sea water cooled condenser
- Generator

The basic WtE process is shown in the following schematic diagram:



The final design of the facility will be subject to the Design-Build-Operate (DBO) Contractor. A DBO procurement was chosen to minimize operational risks as such facility requires specialist know how that is not available in the Maldives.

All equipment the DBO contractor will install has to meet state-of-the art design and durability criteria such as 8,000 hours/year availability, high standards for protection of the corrosion prone boiler zones, redundancy of important equipment (waste feeding cranes, boiler feed water pumps, cooling water pumps etc.). The facility will be built as a two-train unit (250 tons/day x 2) thus allowing to accommodate any overhaul or revision without compromising the waste disposal entirely for the period of the overhaul.

Emission standards the flue gas treatment system has to meet will follow the latest European regulations while the capacity of local EPA will be strengthened to enable operational monitoring of the facility (partnership with the Clean Authority of Tokyo is addressing this). Furthermore, ADB will finance one year of monitoring of the facility through the design and construction supervision consultant that will be recruited to manage the entire design-build period.

The extraction condensing turbine will allow a versatile usage of the energy surplus the facility is generating either by producing electricity or both heat and electricity. The usage of surplus energy will depend on the local requirements such as production of ice flakes, water, generation of cooling energy etc.

The Government of the Maldives is planning to develop Thilafushi island as an industrial hub and plans are maturing to construct a bridge between the capital city of Male and the island that would facilitate to link the electricity grid on Thilafushi with the Male network. Once the network link is established, the power surplus of the WtE facility that is envisaged to be in the range between 6 and 9 MW (increase overtime) that can be fed into the network substituting diesel-based electricity generation that is the still predominant source of power generation in the Maldives. Given the current status of the waste treatment and the land scarcity of the Maldives, the WtE facility may be regarded as a measure that must not be delayed.

If the power link does not materialize via the bridge, the local grid operator STELCO may consider a submarine cable as the fuel savings due to the power fed into by the WtE plant are so significant that such submarine cable will provide a guick return on investment.

Calculating the CO2, the power output as per section 7 has been applied.

The outcomes from the implementing the subproject are (i) cleaner environment with no litter and smoke reaching Male or resorts, (ii) reduced leachate pollution into marine environment, and (iii) reduced emissions of greenhouse gasses (GHG). The impact is a healthy living environment in Greater Male.

2. Background of the project

Solid waste management in the project area is a top priority that has been acknowledged by the previous and the current government.

To date the majority of the waste generated within Zone 3 is dumped haphazardly on the island Thilafushi which is located close to the capital Malé. Waste from Malé, Hulhumale and Vilimale is delivered with landing crafts while resorts are using a vessel called "dhonis". The island Thilafushi itself has been created using both MSW and CDW as reclamation material for more than 25 years now. Starting in 1992, land has been reclaimed from the lagoons to build up the artificial island.

Greater Male severely lacks an organized and environmentally sustainable solid waste management system. Waste management is operated by the recently established (2015) Waste Management Corporation Limited (WAMCO). Though the collection system is working under the conditions found in Male, there is no separate collection of construction, demolition, and hazardous wastes and no source separation of recyclables.

On small islands and low-cost resorts waste is dumped on beaches or in the deep ocean, and backyard burning or setting fires to open dump sites is a common practice on small islands with limited public awareness of 3R approaches.

Collected waste from Male, Hulhumale and Vilimale is transported on barges to the artificially created, industrially zoned Thilafushi Island located 6 kilometers from Male. The 30-year old 10-hectare open dumpsite managed by WAMCO has no leachate control systems and deliberate burning result in plumes of smoke and severe air pollution hazards to on-site workers, Male residents, and surrounding tourists generating frequent complaints. On-site equipment and site logistics are not sufficient or optimal to efficiently manage the growing volumes of incoming waste.

Reducing the GHG emissions is an urgent issue in Maldives as stated in the Maldives' climate change mitigation target as described in its Nationally Determined Contribution (NDC) submitted to the United Nations Framework Convention Climate Change (UNFCCC) secretariat in April 2016. According to the NDC, Maldives has outlined a series of policies and measures that the country commits to implement up to 2030, in the energy, transportation and waste sectors. The expected mitigation impact of these policies and measures will be a 10% reduction in total national GHG emissions by 2030, compared to the projected emissions under a business as usual scenario. The 10% reduction expressed above could be increased up to 24% in a conditional manner, in the context of sustainable development, supported and enabled by availability of financial resources, technology transfer and capacity building.

3. Anticipated technology specification and usage

As mentioned above, the main objective of the Project is to implement a ready-to-use and stateof-the-art technology that is capable to process a wide range of untreated waste and that is robust and reliable. The feasibility study consultant of the Government of the Maldives evaluated various technologies and compared them with respect to their technical, environmental, social and economic aspects.

- (1) Grate incineration: Incineration on a moving grate can offer manifold examples throughout the world (more than 2,400 treatment lines), can process a wide range of untreated waste, is known for its reliability and robustness and is applied by many waste management companies and public bodies worldwide. Because of these factors, the lower investment and operational expenditures, and particularly, because of the urgent need for a disposal solution, the grate incineration was ranked highest.
- (2) Gasification: The Government's consultant compared the currently available gasification technologies for MSW (fixed and fluidized bed, plasma). All of them require a tailored waste input and an advanced waste collection and pre-processing system prior to the thermal treatment. Given the current status of the waste management in Male and in Zone III, the requirements for waste pre-treatment, the lower energy output, the need for constant auxiliary fuel (fixed bed) and the higher CAPEX and OPEX for these technologies, they were not considered for the tendering.
- (3) Combination of incineration and anaerobic digestion of the biological waste material: The residues from the pre-processing and from the anaerobic digestion would then be incinerated. Though this option can be superior with respect to the energy output, the land required for the two facilities and the higher costs do not favor this option.

Given the evaluation, the grate incineration technology is selected. The track record of incineration with the moving grate technology shows the reliability and the range of wastes can be processed effectively.

4. Technical specifications and evaluation and qualification criteria for procurement of the subcomponent

A design build operate (DBO) contract will be used as a procurement method, and the contractor will be awarded through international competitive bidding. Some of the main required specifications and qualifications are as follows.

(1) Technical Specifications

Main features of the state-of-the art WtE facility are robustness, reliability and durability of the electro-mechanical and civil components. As such, the following will be requested to the DBO contractor:

- Overall durability criteria for the civil and electro-mechanical part such as life time expectancy for the civil components of 50 years, turbine 40 years, moving grate 30 years, electrical components 30 years, fans/pumps 15 years, etc., all steel equipment and steel structure to be corrosion protected, track record for the grate technology applied;
- Minimum material thickness of erosion/abrasion/corrosion prone components (such as feeding hopper, pusher duct, boiler walls etc.)
- Redundancy of certain crucial components (waste cranes, boiler feed water and condensate pumps, hydraulic systems, cooling water pumps, etc.)

The basic specifications for the WtE and ancillary facilities are summarized in the table below. The final design and arrangement of the facilities within the project site will depend on the DBO Contractor. The Contractor will be required to adopt state-of-the-art incineration technology.

Table 1: Preliminary Design Parameters of the WtE and Ancillary Facilities

Parameter		Range/Data/Type	Remarks		
WtE - Facility					
Capacity t/y		167,000			
	t/hr	21			
No of trains		2			
NCV	kJ/kg	6,500 – 9,500			
Design NCV	kJ/kg	7,500			
Expected IBA amount	%	25	of input		
Baled waste input	%	min. 10	of nominal mechanical capacity		
Overload	%	10	of nominal thermal and mechanical capacity		
Furnace		grate system 850°C, 2s	roller, forward or reciprocating		
Boiler		natural circulation	horizontal or vertical boiler passes, cladding of corrosion prone boiler components		
Turbine		extraction condensing	robustness is crucial, no. of turbines subject to DBO Contractor, extraction rate is yet to be defined, the final capacity of the turbine will depend on the Contractor's design		
Re-cooling unit		sea water cooling	environmental sensitivity of coral reefs to be considered		
APC system		Semi-Dry or dry system	final design subject to DBO Contractor meeting European emission standards is compulsory, minimising volume of residue		
IBA processing		maturation, FE/NON-FE, crushing, screening	tradable volume subject to market		
Residue landfill	•				
Total volume	m3	560,000	incl. base liner system or asphalt base and leachate collection system, for APC residues and non-marketable IBA (and other rejects)		
No of cells		>3	final design subject to DBO Contractor		
Envisaged life time of landfill	years	> 15 years	subject to IBA recycling and marketing		
Leachate treatment					
Treatment system		reverse osmosis			
Capacity	m3/d	120	expected throughput up to 55 m3/d (capacity reserve to cope with exceptional leachate volume due to weather conditions)		
Brine disposal	m3/d	max. 14	via APC system of WtE		

Also, the O&M shall be supervised on a daily basis by the Plant Manager who has more than 10 years of operation management experience at WtE facility. Engineering manager of primary technology provider and engineers of major equipment manufacturers shall be resident until performance of the WtE operation (8,000h/year).

(2) Evaluation Criteria

The Bid shall comprise two envelopes submitted simultaneously, one containing the Technical Bid and the other the Price Bid, both envelopes enclosed together in an outer single envelope. In the Technical Bids evaluation process, the Employer will carry out a detailed technical evaluation to determine whether the technical aspects are in compliance with the Bidding Document. The evaluation criteria are under development, which will be used by the Employer to examine and compare the technical aspects of the Bids on the basis of the information supplied by the Bidders, taking into account the following:

- a) General aspects such as completeness of the proposals, the description of the EPC and project management, the health and security and environment management plan consideration, the preliminary operations and maintenance plan, their considerations towards disclosure of information to the public and etc;
- b) The bidders' capabilities to mobilise the required sub-contractors, the necessary equipment and personnel that need to be specified accordingly;
- c) The grate technology applied by the bidders must be a proven one, at least three years of successful operation;
- d) Some aspects such as thickness of wear prone components are specified which the bidders have to comply with;
- e) The potential energy output;
- f) All performance guarantees must be met, such as 8,000 hours availability (needs to be proven), operations within the stoker capacity diagram meeting the specified steam temperature and pressure and the emission standards at the stack and for the effluent of the leachate treatment and etc;
- g) Redundancy aspects, e.g. as for the cranes, for the boiler feed water supply, the cooling water supply etc.
- h) Design criteria to be taken into account, amongst others, the expandability of the facility (a third line) which needs to be considered in the design of certain components and elements of the facility;
- i) Compliance with standards;

The Bid that does not meet minimum and/or maximum acceptable standards of completeness, consistency, detail and performance guarantees, will be rejected for non-responsiveness;

Cost evaluation will be made on a life-cycle cost (LCC) basis, which means that both the initial cost, the operation and maintenance costs (variable and fixed costs) will be taken into account for evaluation. In addition to this, the incentive given to the contractor to generate electricity has to be taken into account. As the WtE facility will be producing a power surplus, for comparison reasons the overall energy sales which the Employer will accrue will be taken into consideration as well. In addition, if the bidder proposes to utilize the energy generated by the WtE to produce goods such as water as more reasonable and effective energy usage than the electricity for the grid, the revenue from the goods sale also can be taken into consideration when calculating the LCC. All costs and revenues during the O&M period will be discounted with an interest rate of 4% to get the net present value. The 4% were chosen to consider ADB's grant and both the concessional loan being provided by ADB and the more commercially oriented interest rates offered by AIIB and ISDB. Taking into account that an evaluation applying a low discount rate favors designs with high initial capex that can be operated at lower costs, which is in the interest of the Government of Maldives, the 4% are deemed reasonable.

Life Cycle Cost = Costs for the Design-Build + NPV(fixed O&M fee related the technology and technology provider) + NPV(variable O&M fee related the technology and technology provider) + (NPV(electricity incentive) + NPV(asset replacement costs) – NPV(electricity sales)) .

(3) Qualification Criteria

A pre-qualification process was conducted from May to August 2019, and shortlisted bidders will be invited to participate in the bidding process. The qualification of the bidders will be assessed with the following criteria (excerpt):

- (a) Participation in at least two WtE DBO contracts (or similar long term BOT or PPP contracts) where design-build has been successfully or substantially completed within the last 10 years and that is similar to the proposed facilities, where the value of the Applicant's participation exceeds 75% of the total value of the reference contract (For JV, all partners combined must meet requirement as follows: 1) either one partner must meet requirement, or 2) any to partners must each demonstrate one successfully or substantially completed contract of similar size and nature). The reference contracts shall comply with the following criteria:
 - o The minimum facility throughput capacity for each contract shall be 250 tons/day;
 - The operating and maintenance period specified in the contract shall be ten years or more.
- (b) Minimum average annual turnover of not less than \$64 million within the last 3 years.
- (c) Lead/managing partner for a Design-Build-Operate contract (or similar long term BOT/PPP contract) for waste to energy plant of at least 250 tons/day capacity, where the design-build has been successfully or substantially completed within the last ten years (For JV, one partner must meet requirements).
- (d) O&M of a at least one waste to energy plants of at least 250 tons/day capacity (For JV, one partner must meet requirements). Each reference contract shall comply with the following criteria:
 - The O&M component of the contract is either ongoing or was completed no more than five years ago;
 - o If the contract is ongoing, the contract has been running for two years or more;
 - The O&M contract specifies an operating and maintenance period of ten years or more:
 - The subject WtE facility has been operating successfully since commencement of the O&M contract, meeting the specified emission requirements.

The prime technology provider, including its consolidated subsidiaries, must have the experience of having completed at least three contracts of nature, size and complexity similar to the proposed (sub-)contract of WtE for municipal solid waste including design, engineering, procurement, manufacturing, transportation, installation and testing/commissioning. Each reference contract shall be for a plant with a capacity of at least 250 tons per day and under operation for more than 10 years. The prime technology provider shall also have one reference contracts outside the (sub-)contractor's home country. The prime technology provider shall have an experience of providing flue gas treatment process that complies with prescribed environmental standards of reference contract.

The Bid evaluation will be conducted by the Employer (Ministry of Environment, Maldives) and substantially supported by a team of international consultants including a DBO specialist, WtE mechanical engineer, a WtE O&M specialist and a WtE financial evaluation specialist.

- 5. If the specific provider and technology is identified, the spec of the technology No specific provider and technology are identified.
 - 6. Estimated reduction amount of CO₂ emission from energy sources by the advanced low carbon technology, energy efficiency improvement and/or renewable energy capacity installed and total reduction amount of GHG emission.

In accordance with the proposed outline of the methodology shown below in section II.9, the estimated emissions in tons of carbon dioxide equivalent are 808,345 tCO2e for 20 years as shown in Table 2 below. The process for its calculation can be found in the Annex IV: JCM

monitoring plan sheet, which is drafted based on the JMC_MM_AM001_ver01.0. https://www.jcm.go.jp/mm-jp/methodologies/75/monitoring_spreadsheet_file

Table 2. Estimated Emission Reductions from the WtE JCM Subcomponent

Year	Reference emissions		Project emissions		Emission re	Emission reductions		Accumulated GHG ERs	
	GHG total	CO2 only	GHG total	CO2 only	GHG total	CO2 only	GHG total	CO2 only	
Unit	tCO2e	tCO2	tCO2e	tCO2	tCO2e	tCO2	tCO2e	tCO2	
2025	36,380.2	36,380.2	38,941.4	36,428.2	-2,561.2	-48.0	-2,561.2	-48.0	
2026	61,931.4	54,930.2	43,075.9	40,276.0	18,855.5	14,654.2	16,294.3	14,606.2	
2027	69,230.3	56,260.8	43,959.7	41,098.5	25,270.6	15,162.3	41,564.9	29,768.5	
2028	75,150.0	57,518.6	44,799.4	41,880.0	30,350.6	15,638.6	71,915.5	45,407.3	
2029	78,794.1	57,414.2	44,742.2	41,826.8	34,051.9	15,587.4	105,967.4	60,994.5	
2030	81,741.5	57,425.0	44,757.8	41,841.3	36,983.7	15,583.7	142,951.1	76,578.2	
2031	84,114.3	57,426.5	44,764.5	41,847.5	39,349.8	15,579.0	182,300.9	92,157.2	
2032	86,078.3	57,430.1	44,768.9	41,851.6	41,309.4	15,578.5	223,610.3	107,735.	
2033	87,740.1	57,435.1	44,770.5	41,853.1	42,969.6	15,582.0	266,579.9	123,317.	
2034	89,173.8	57,440.9	44,769.2	41,851.9	44,404.6	15,589.0	310,984.5	138,906.	
2035	90,432.4	57,448.1	44,764.3	41,847.3	45,668.1	15,600.8	356,652.6	154,507.5	
2036	91,552.3	57,456.0	44,755.9	41,839.5	46,796.4	15,616.5	403,449.0	170,124.0	
2037	92,560.9	57,465.4	44,743.7	41,828.2	47,817.2	15,637.2	451,266.2	185,761.2	
2038	93,477.5	57,476.2	44,727.6	41,813.2	48,749.9	15,663.0	500,016.1	201,424.2	
2039	94,306.5	57,478.3	44,581.7	41,677.4	49,724.8	15,800.9	549,740.9	217,225.:	
2040	95,071.9	57,509.3	44,456.4	41,560.8	50,615.5	15,948.5	600,356.4	233,173.6	
2041	95,763.1	57,538.8	44,331.6	41,444.6	51,431.5	16,094.2	651,787.9	249,267.8	
2042	96,392.8	57,569.0	44,207.0	41,328.7	52,185.8	16,240.3	703,973.7	265,508.	
**2043	96,392.8	57,569.0	44,207.0	41,328.7	52,185.8	16,240.3	756,159.5	281,748.4	
**2044	96,392.8	57,569.0	44,207.0	41,328.7	52,185.8	16,240.3	808,345.3	297,988.	
Total	1,692,677.0	1,124,740.7	884,331.7	826,752.0	808,345	297,989			

^{**} The values of 2042 are used for 2043 and 2044 because the JCM_MM_AM_001 can only calculate the values for 18 years. This is considered conservative as the actual values (emission reductions) in 2043 and 2044 are estimated higher than in 2042.

For the scenario analysis to calculate the emission reductions above, the following data on the waste incinerated and net energy outputs were assumed.

Table 3: Waste to be incinerated and net energy output (incl. baled waste)

	Waste Incinerated (t)	Net Energy Output (MWh)
2025	139,400	50,528
2026	155,300	76,292
2027	158,699	78,140
2028	161,928	79,887
2029	161,708	79,742
2030	161,768	79,757
2031	161,794	79,759
2032	161,811	79,764
2033	161,817	79,771
2034	161,812	79,779
2035	161,793	79,789

	2036	161,761	79,800		
	2037	161,714	79,813		
	2038	161,652	79,828		
	2039	161,091	79,831		
	2040	160,609	79,874		
	2041	160,129	79,915		
	2042	159,650	79,957		
	*2043	159,172	79,998		
	*2044	158,696	80,038		

^{*}The values for 2043 and 2044 are not used for the calcuration of the emission reductions in the methodologies because the JCM_MM_AM_001 can only calculate the values for 18 years.

As stated in the section II.1 above, the proposed 500 tons/day plant can deal with the waste growth in the Greater Male region up to 2038. While it is planned to install additional treatment line to meet the growing waste management requirement in 2039, the above data does not include the additional line for the purpose of fairly calculating the energy output and GHG emission reductions materialized by the JFJCM grant.

The actual emission reductions occur from 2026 while the operation of the plant starts from 2025. This is because, for the first year (2025), the annual GHG emission reductions are expected to be negative (emissions increase) due to small contribution of methane emission reductions and low energy surplus fed into the grid.

7. Co-benefit of the environment and region (Describe the reduction of environmental pollution, including air or water pollution, solid waste treatment or conservation of natural resources, and/or (b) other social economic benefits, including increased job creation opportunities and better access to basic infrastructures)

The Project will bring significant environmental, social and economic co-benefits.

- (a) Reduction of the MSW directly disposed in the landfill site will result in
 - a. improved health of the residents by minimising the odour and smoke from spontaneous combustion;
 - b. improved marine ecosystem by minimising the waste dumping to the ocean;
 - c. expanded lifetime of the landfill site (minimised waste volume to be delivered to the landfill).
- (b) Reduction of diesel oil use will result in
 - a. improved energy security and trade balance of the government as the Maldives heavily depends on diesel for power generation, which is entirely imported;

8. The applied JCM MRV methodology (If not existing, the rough proposal of JCM methodology)

The methodology to be applied for the Project will be considered based on the approved methodology: JCM_MM_AM001_ver01.0 (Power generation and avoidance of landfill gas emissions through combustion of municipal solid waste (MSW)).

(1) Title of the methodology:

Power generation and avoidance of landfill gas emissions through combustion of municipal solid waste (MSW)

- (2) Summary of the Methodology
- (i) GHG emission reduction measures:
 - (a) Installation of MSW incinerators avoids emissions of methane associated with disposed organic waste in a solid waste disposal site (SWDS);
 - (b) Electricity generated by the project facility displaces electricity from a grid or captive power generator which is generated using fossil fuels resulting in GHG emission reductions.
- (ii) Reference emissions: Reference emissions are calculated as a sum of the following emissions:
 - (a) CH₄ emissions from SWDS: Calculated from the amount of MSW and fraction of each waste type incinerated in the incinerator using the first order decay (FOD) model; and
 - (b) CO₂ emissions from a grid or captive power generator: Electricity fed into the grid by the project facility multiplied by the emission factor of displaced electricity.
- (iii) Project emissions: Project emissions are calculated as a sum of the following emissions:
 - (a) CO₂ emissions from combustion of fossil carbon contained in MSW: The amount of MSW multiplied by the fraction of fossil carbon content and the conversion factor of carbon;
 - (b) N₂O emissions from combustion of waste: The amount of MSW multiplied by the N₂O emission factor associated with incineration;
 - (c) CO₂ emissions from electricity used to operate the project facility: Electricity used to operate the project facility multiplied by the emission factor of electricity; and
 - (d) CO₂ emissions from auxiliary fossil fuel consumption associated with incineration: The amount of fossil fuel consumption associated with incineration multiplied by the emission factor of the fossil fuel.
- (iv) Monitoring parameters:
 - (a) Quantity of MSW fed into incinerator (wet basis);
 - (b) Quantity of electricity generated by the project facility;
 - (c) Quantity of electricity consumed by the project facility; and
 - (d) Quantity of auxiliary fossil fuel consumed.
- (3) Eligibility criteria

This methodology is applicable to projects that satisfy all of the following criteria.

	Criterion 1	The project newly installs an incinerator, waste heat recovery boiler,			
		exhaust gas treatment equipment and turbine generator.			
	Criterion 2	The project incinerates municipal solid waste (MSW) which has been disposed at a SWDS where the generated landfill gas is not recovered, and generates electricity from steam produced in waste heat recovery boiler.			
	Criterion 3	There is a plan to operate the project facility for more than 5 years.			

(4) Reference scenario

A project which applies this methodology incinerates MSW and generates electricity. In Maldives, MSW is usually disposed in open dump sites without recovering landfill gas. Although some initiatives exist to treat waste with alternative methods such as incinerating MSW, the cost of alternative treatment of waste hampers its installation. Therefore, without the financial assistance the alternative waste treatment facility would not be bankable. As a result, BaU for MSW treatment is open dumping and setting fire to the waste and BaU emissions are CH₄ emissions from decomposition of MSW at a SWDS and CO₂ emissions from fossil fuels combusted to generate electricity which would be displaced by the project. CH₄ emissions from decomposition of MSW at a SWDS are calculated based on a first order decay (FOD) model.

To assure net emission reductions, the model correction factor which accounts for uncertainty of the model to calculate emissions from decomposition of MSW is set conservatively. Therefore, the reference emissions are a summation of conservative CH_4 emissions from decomposition of MSW at a SWDS and CO_2 emissions from fossil fuels combusted to generate electricity which would be displaced by the project.

(5) Calculation formulas

(i) Calculation of reference emissions:

$$RE_p = RE_{CH4,p} + RE_{elec,p}$$

Where:

 RE_p = Reference emissions during the period p [tCO₂e/p]

 $RE_{CH4,p}$ = Reference emissions from decomposition of MSW at a SWDS during the

period p [tCO₂e/p]

 $RE_{elec.p}$ = Reference emissions from electricity generation during the period p [tCO₂e/p]

Reference emissions from decomposition of MSW at a SWDS during the period p (RE_{CH4,p}) is accounted only from the next calendar year after its disposal at a SWDS (or incineration) due to delay in generation of CH₄ from the time of disposal at a SWDS.

$$\begin{aligned} \text{RE}_{\text{CH4,p}} &= \sum_{y=\text{p_start}}^{\text{p_end}} \left[\phi \times (1-\text{f}) \times \text{GWP}_{\text{CH4}} \times (1-\text{OX}) \times \frac{16}{12} \times \text{F} \times \text{DOC}_{\text{f}} \times \text{MCF} \\ &\times \sum_{i=1}^{y-1} \sum_{j} \left\{ W_i \times P_j \times \text{DOC}_{j} \times \text{e}^{-k_j(y-1-i)} \times \left(1-\text{e}^{-k_j}\right) \right\} \right] \end{aligned}$$

Where:

 $RE_{CH4,p}$ = Reference emissions from decomposition of MSW at a SWDS during the period p [tCO₂e/p]

y = The Nth year from the first disposal (or incineration), extending from the first year of the period p ($y=p_start$) to the last year of the period p ($y=p_end$). If y is equal to 1, methane generation cannot be accounted.

p_start = The Nth year from the first disposal (or incineration), which is the first year of the period p

p_end = The Nth year from the first disposal (or incineration), which is the last year of the period p

φ = Model correction factor to account for model uncertainties

f = Fraction of methane captured at a SWDS and flared, combusted or used in another manner that prevents the emissions of methane to the atmosphere

 GWP_{CH4} = Global Warming Potential of methane [tCO₂e/tCH₄]

OX = Oxidation factor (reflecting the amount of methane from a SWDS that is oxidized in the soil or other material covering the waste)

 $\frac{16}{12}$ = Conversion factor [tCH₄/tC]

F = Fraction of methane in the SWDS gas [volume fraction]

 DOC_f = Fraction of degradable organic carbon (DOC) that decomposes under the specific

conditions occurring in a SWDS [weight fraction]

MCF = Methane correction factor

i = The Nth year from the first disposal (or incineration), extending from the first year in the time period in which MSW is disposed at a SWDS (i = 1) to year y (i = y)

= Quantity of MSW fed into incinerator in the year *i* (wet basis) [t]

P_i = Fraction of the waste type *j* [weight fraction]

 DOC_j = Fraction of degradable organic carbon in the waste type j [weight fraction]

 k_i = Decay rate for the waste type j [1/yr]

j = Type of waste

 $RE_{elec,p} = EG_{elec,p} \times EF_{elec}$

Where:

 W_i

 $RE_{elec,p}$ = Reference emissions from electricity generation during the period p [tCO₂e/p]

 $EG_{elec.p}$ = Quantity of electricity generated by the project facility during the period p [MWh/p]

EF_{elec} = Emission factor for electricity generation [tCO₂e/MWh]

(ii) Calculation of project emissions

 $PE_p = PE_{COM_CO2,p} + PE_{COM_N2O,p} + PE_{EC,p} + PE_{FC,p}$

Where:

 PE_p = Project emissions during the period p [tCO₂e/p]

 $PE_{COM_CO2,p}$ = Project emissions of CO_2 from combustion of fossil carbon contained in waste associated with incineration during the period p [tCO₂e/p]

 $PE_{COM_N2O,p}$ = Project emissions of N₂O from combustion of waste associated with incineration during the period p [tCO₂e/p]

 $PE_{EC,p}$ = Project emissions from electricity consumption by the project facility during the period p [tCO₂e/p]

 $PE_{FC,p}$ = Project emissions from auxiliary fossil fuel consumption associated with incineration during the period p [tCO₂e/p]

$$PE_{COM_CO2,p} = EFF_{COM} \times \frac{44}{12} \times \sum_{j} \left(\sum_{i=p_start}^{p_end} W_i \times P_j \times \frac{DC}{100} \times FCC_j \times FFC_j \right)$$

Where:

 $PE_{COM_CO2,p}$ = Project emissions of CO_2 from combustion of fossil carbon contained in waste associated with incineration during the period p [tCO₂e/p]

 EFF_{COM} = Combustion efficiency of incinerator [fraction]

= Conversion factor [tCO₂/tC]

i = The Nth year from the first incineration

 $p_start = The N^{th}$ year from the first incineration, which is the first year of the period p = The N^{th} year from the first incineration, which is the last year of the period p

W_i = Quantity of MSW fed into incinerator in the year *i* (wet basis) [t]

 P_i = Fraction of the waste type j [weight fraction]

DC = Dry matter content of MSW [%]

 FCC_i = Fraction of total carbon content in waste type j [tC/t]

FFC_i = Fraction of fossil carbon in total carbon content of waste type *j* [weight fraction]

i = Type of waste

$$PE_{COM_N2O,p} = \sum_{i=p, start}^{p_end} W_i \times EF_{N2O} \times GWP_{N2O}$$

Where:

 $PE_{COM_N2O,p}$ = Project emissions of N₂O from combustion of waste associated with incineration during the period p [tCO₂e/p]

i = The Nth year from the first incineration

p_start = The Nth year from the first incineration, which is the first year of the period p = The Nth year from the first incineration, which is the last year of the period p

 W_i = Quantity of MSW fed into incinerator in the year i (wet basis) [t] EF_{N2O} = Emission factor for N_2O associated with incineration [tN₂O/t waste]

 GWP_{N2O} = Global Warming Potential of nitrous oxide [tCO₂e/tN₂O]

 $PE_{EC,p} = EC_p \times EF_{elec}$

Where:

 $PE_{EC,p}$ = Project emissions from electricity consumption by the project facility during the

period *p* [tCO₂e/p]

 EC_p = Quantity of electricity consumed by the project facility during the period p [MWh/p]

 EF_{elec} = Emission factor for electricity generation [tCO₂e/MWh]

$$PE_{FC,p} = \sum_{fuel} (FC_{fuel,p} \times NCV_{fuel} \times EF_{CO2,fuel})$$

Where:

PE_{FC,p} = Project emissions from auxiliary fossil fuel consumption associated with incineration

during the period p [tCO₂e/p]

 $FC_{fuel,p}$ = Quantity of auxiliary fossil fuel consumed during the period p [kL or m³/p]

 NCV_{fuel} = Net calorific value of fuel [GJ/kL or m³] $EF_{CO2,fuel}$ = CO_2 emission factor of fuel [tCO₂/GJ]

fuel = Type of fuel

(iii) Calculation of emissions reductions

 $ER_p = RE_p - PE_p$

Where:

 ER_p = Emission reductions during the period p [tCO₂e/p] RE_p = Reference emissions during the period p [tCO₂e/p] PE_p = Project emissions during the period p [tCO₂e/p]

Details of the data and parameters fixed ex ante and to be monitored or calculated ex post, with the assumption used for calculating emission reductions in the section 7, are summarized in the Annex III.

Minutes of Stakeholders Consultations

Minutes of the Stakeholder meeting for development of the EIA for the Regional Waste Management Facility at Zone 3 in Thilafushi

Venue: Auditorium, Ministry of Environment Date: 20th September 2018

Time: 9:00

The stakeholders for the establishment of the Regional Waste Management Facility at Thilafushi was held at Ministry of Environment and Energy on 20th September 2018. The meeting was organized by Ministry of Environment for a request by Water Solutions Pvt Ltd as the EIA consultant for the project.

The meeting was initiated by an introduction of the project by a brief introduction to the project by the project management team at the Ministry of Environment. They highlighted that ADB is financing the project in association with International Partners. Then Consultant for the project provided a detail outline of the project and the EIA Consultant provided the details of the EIA work that has been carried out as part of the project.

Mr. Kasdarli Chakir, Engineer, KOCKS CONSULT GMBH, provided a very detail outline of the proposed regional waste management facility development project for Zone III at Thilfushi. The detail account of the project included the proposed harbour rehabilitation component of the project to improve the waste acceptance area at Thilfushi, existing dumpsite rehabilitation component and the main Waste to Energy Facility component that is referred as the Regional Waste Management Facility for Zone III at Thilhafushi.

Mr. Ahmed Jameel, EIA Consultant at Water Solutions provided an outline of the work that had been carried out as part of the EIA for the project. He highlighted that Water Solutions is undertaking a "hot water dispersion modelling work" to study the impacts of the hot water that would be discharged into the marine environment from the waste to energy plant. A dispersion modelling was done to study the stack height and the impacts of emission from the stack on the surrounding areas of Thilafushi. A geophysical study was carry out to determine the thickness of the waste that has been buried out at the landfill at Thilafushi. The consultant outlined that groundwater and marine water would be studied to establish the baseline at the proposed project site.

Aima, Engineer from GMIZ informed, GMIZ has plans to construct a new road from the periphery (southern side) of the newly reclaimed area at Thilfushi. This is to facilitate the ease of transportation between the eastern and western side of the halves of the island as the existing road that has been build is not expected to meet traffic demand that is expected in the future and establishment of the industries at Thilhafushi. However, Aiman, noted that it is just an idea that they are exploring and it has not developed into an advance stage of planning.

In reply, Chakir mentioned that the boundary of the reclaimed land is not confirmed and therefore it is difficult to see if land could be allocated for a new road. Chakir also mentioned that the proposition for this new roads shall be cleared before the procurement or any further steps. Furthermore, Chakir mentioned that ADB suggests a buffer zone for better coastal management.

Mr. Zameel from PMU suggested to have a policy level meeting to make final decision about the new road.

Mr. Ahmed Afrah Ismail EPA raised the issue of ownership of the energy that would be produced from the WTE (Waste to Energy Facility) and other valuable by products.

Chakir replied that the ownership and responsibility of the products from WTE has not been decided. This includes energy from waste to energy, metals and bottom ash. Excess energy will be converted into hot water and discharge to the sea. A business model shall be made to determine a percentage profit for the operators.

EPA also asked if it would be feasible for the operators to run without selling the energy produced.

Chakir replied that WAMCO will establish a tariff system. Operators will charge a gate fee as well. Taxpayers will have to subsidize the burning of waste.

In reply to EPA's question regarding the air pollution control for the system, Chakir provided details of the project stating that it would be the contractor's responsibility and obligation. There will live monitoring and external controls to ensure that air pollution from the stack is within the acceptable range. EPA should also have access to this data and shall be able to run individual assessments. The facility owner is MEE and as EPA is under MEE, EPA has a right to monitor and conduct regular monitoring. Operator will have to maintain emissions under international standards and currently there are no local air quality standards.

Ms Shaahina Ali from Parley highlighted that the proposed regional waste management facility is based on incineration. Sorting and segregation is not in the part of the entire waste management system, especially as this has started from collection, transfer and incineration. EPA also mentioned that they plan to start segregation of waste, however it discourage the citizens to segregate even in 15 years if the government plans to incinerate all the waste. They suggested that government should encourage waste reduction and sorting, either from a centralized or a decentralized system.

WAMCO replied saying that a sorting facility cannot be accommodated in the Male' transfer station and there will be a civic amenity facility at Hulhumale' where people can bring in their sorted waste.

Concerns were raised if all waste materials will be bailed if the WTE is down, to which Chakir replied that there is bunker with a capacity of 6 days. There is also a second line of at WTE, so there will not be complete shutdown of the system. He also added that a third line is foreseen in 15 years as the waste generation is expected to increase to 700 tonnes per day.

Moosa Haneef from HPA mentioned that the healthcare waste is not pretreated and if the waste management system can incinerate this waste at the waste management facility. EPA also inquired whether the proposed facility could incinerate hazardous waste. It was noted from the consultant that waste to energy plant can manage small quantity of the waste. However batteries should not be incinerated. Chakir replied that the 5 small incinerators were specially designed for healthcare waste.

WAMCO – can incinerator take large aluminum? Yes, there will be magnets and sieving.

EPA questioned when the open burning will stop in Thliafushi, to which the project manager replied that it will be done after obtaining the required machinery such as excavators and bulldozers.

Parley for the Oceans asked if the Male' Waste Transfer facility is under this project to which Chakir replied that it is, and so is Villingili and Hulhumale' Transfer Station. Parley inquired whether the facility could incinerate used tires. The consultant noted that the tires are high calorific value item that can be incinerated.

EPA asked of the capacity of the incinerator was designed for and if the design foresees a decrease in waste generation. The concept of the project does not seem to focus on waste reduction but the opposite. Chakir mentioned that this was the best feasible option for management waste that is generated in Zone III. Waste generation of 400tonnes per day without CnD waste is expected for 2022. Waste is also expected to increase from the tourism industry and after the airport development project is completed. There needs to be policy level changes to incorporate and implement sorting and waste reduction, such has less packaging. The proposed method is a safe treatment that technical and realistic.

GMIZ question about the kind of traffic that is expected after the project. Chakir replied that not much increase is expected. For the island connections, 2 to 3 vessels are expected to increase. Sometimes resorts bring in waste from the islands.

EPA noted that incineration should be the last option to consider after sorting, composting and pyrolysis. WS and KOCKS suggested sorting with colored plastic bags but was not considered due to management issues. Germany has been doing this and they have 70% sorting after 30 years of awareness.

Currently there is no hazard waste management but there should be.

Attendance

Following officials attended the stakeholder meeting that was held at Ministry of Environment and Energy

Name	Title	Organization / Address	Contact
Mohamed Hamdhaan	Assistant Project Coordinator	Ministry of Environment and Energy	7681878
Ibrahim Zameel	Project Manager	Ministry of Environment and Energy	7794959
Aminath Maleeha Sollih	Procurement Specialist	Ministry of Environment and Energy	7931645
nafha.aujaz	Environment Analyst	Ministry of Housing and Infrastructure	3004110
Aishath Bariya	Engineer	Ministry of Housing and Infrastructure	3004110
Moosa Haneef	SDHPO	Health Protection Agency	7423180
Ismail Ubaidh	CS Manager	WAMCO	7931008
Ahmed Shafiu	BD & Marketing	WAMCO	7698899
Aminath Nazra	Project Officer	Save the Beach	7620044
Aminath Mohamed	Environment Analyst	Environment Protection Agency	7504494
Shaahina Ali	Executive Director	Parley for the Oceans	7771341
Ahmed Afrah Ismail	Engineer	Environment Protection Agency	9690600
Aiman	Engineer	Greater Male' Industrial Zone	7236734
Ahmed Jameel	Environment Consultant	Water Solution	7785379
Nashfa Nashidh	Junior Environmental Consultant	Water Solution	9533094
Kasdarli Chakir	Engineer	KOCKS CONSULT GMBH	+49 261 1302 112

Photos from the Stakeholder Meeting



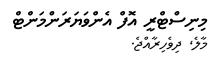








Male', Republic of Maldives.



Minutes of the Meeting

Meeting Title: GMEIWP ADB Mission Meetings- Stakeholder Consultation 1

Date:5th August 2019

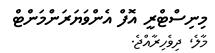
Location: Ministry of Environment

Participants:

- Ministry of Environment (ME)
 - Mohamed Asif- Social and Environmental Safeguard Specialist.
 - Hana Farook- Assistant Project Coordinator
- Asian Development Bank (ADB)
 - Luca Di Mario- Urban Development Specialist/Project technical Leader
 - Ninnete Pajarillagu- Environment Specialist
 - Emma Marsnene- Senior Environmental Specialist
 - Miguel Diangan Jr- Environment Safeguards Consultant
- Asian Ifrastructure Investment Bank (AIIB)
 - Irish Fe Aguilar- Social Development Specialist
- Water Solutions
 - Ahmed Jameel- Senior Consultant
 - Mohamed Umar- Junior Environmental Consultant.
- Others
 - Chathuranga- Environment & Sustainability Manager, Crossroads
 - Pradeep Kumar- Chief Engineer, Adaaran
 - Mohamed Faruhad, Assistant Chief Engineer, Vellasaru
 - Sidath Anuruddha Paskuwal Handi, Chief Engineer, Vellasaru
 - Mohamed Sinan, Environmental Officer, Ministry of Tourism



Male', Republic of Maldives.



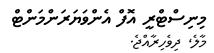
- Mariyam Nasheetha Nasheed- Director, Ministry of Gender, Family and Social Services
- Aminath Nizar- Prioject Director- Ministry of National Planning and Infrastructure.
- Ahmed Aiman Shareef- Project Coordinator, Greater Male' Industrial Zone
- Shamau Shareef- Deputy Mayor- Male' City Council
- Jerome Manuel- Area Chief Engineer- Centara Resort

Points presented:

- A series of stakeholder consultations would be held.
- An overview of the project through a video of the project was presented.
- It was noted that until the incinerator is operational, the waste collected would be bailed and kept.
- Participants were informed that emissions and impacts from the project would be within accepted levels
- Participants were informed numerous studies such as arithmetic surveys, marine surveys and dispersion modelling were conducted to ensure there were no impact on the environment.
- Participants were informed that the results from the marine survey indicated the sediment from the proposed site were more deteriorated than from the outside, but were within acceptable levels as per New Zealand standards
- It was noted that the ambient air quality was measured and that it showed that burning occurred during the weekdays.
- It was noted that a German model had been used for pollutant dispersion modelling and that it indicated that there was no impact from the 50m stake.
- Participants were informed that surveys were conducted for where the outfall for the cooling process would be and that it had indicated the coral colour was good in the southern part.
- It was informed that the water dispersion model was modelled at depths of 10m, 20m, 30m from the mean sea level for temperatures 5 degrees, 7.5 degrees and 10 degrees. It was noted temperatures greater than 10 degrees were not considered as per EPA's recommendation and that even at 10 degrees despite being indicated as red there was not much difference from the ambient depth.



Male', Republic of Maldives.



- A participant raised concern that a German model had been used and it was informed that this was a normal model.
- Participants inquired if the project had considered the increasing population, development projects and increased resorts expected in the zone. It was informed that the growth had been forecasted and taken into consideration during the feasibility studies.
- A participant inquired how the "oily waste" would be generated and it was informed that the primary focus of the project was addressing the solid waste issue in the country.
- A participant voiced that currently depending on the direction of wind many activities planned in the resort have to be cancelled due to the flies and smoke. It was inquired if smoke emissions from the WTE would be seen and how the issue of floating waste in the sea would be addressed, It was informed that there would be no smoke to be seen from the WTE plant and that all waste would be collected and transported by WAMCO in containerized vehicles in the sea thus there would be no spillage of waste.
- Participant inquired if during the transition period any measures would be taken to address the flies and it was informed that the waste collected would be covered.

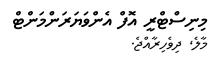
- A participant raised concerns that some resorts and individuals would still continue dump in the sea if they did not want to pay for the services of WAMCO.

- A participant inquired if there was any monitoring mechanism to assess the impact on the health of the people once the project is implemented. It was noted that this was something which could be considered.
- It was suggested to put an additional road in Thilfaushi to accommodate the increased traffic and future development projects. However, it was noted that the increased traffic would not be enough to justify a road.
- It was agreed to have a discussion with the City Council and Greater Male' Industrial Zone Pvt Ltd to discuss ongoing projects

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Male', Republic of Maldives.



Minutes of the Meeting

Meeting Title: GMEIWP ADB Mission Meetings- Stakeholder Consultation (Thilafushi)

Date:6th August 2019

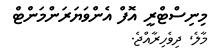
Location: Ministry of Environment

Participants:

- Ministry of Environment (ME)
 - Mohamed Asif- Social and Environmental Safeguard Specialist.
 - Hana Farook- Assistant Project Coordinator
- Asian Development Bank (ADB)
 - Luca Di Mario- Urban Development Specialist/Project technical Leader
 - Ninnete Pajarillagu- Environment Specialist
 - Emma Marsnene- Senior Environmental Specialist
 - Miguel Diangan Jr- Environment Safeguards Consultant
- Asian Ifrastructure Investment Bank (AIIB)
 - Irish Fe Aguilar- Social Development Specialist
- Water Solutions
 - Ahmed Jameel- Senior Consultant
 - Mohamed Umar- Junior Environmental Consultant.
- Others
 - Hisham- Assitant Manager, Asrafee
 - Hassan Zareer- General Manager, Maldives Ports Limited
 - Ahmed Ibrahim- Manager, MPL
 - Ali Nashid, GM, Target
 - Mohamed Akman- Admin, Agas Maldives



Male', Republic of Maldives.



- A participant raised concerns that there were many unutilised lots/sites in Thilafushi and that it had become a hub for many migrant workers. It was also noted that these placed had very poor living standards and that it needed to be looked into.
- A participant suggested to incorporate the cooling system inside the plant, as it could have an impact on the corals and reefs. It was noted that due to STELCO's cooling system in the sea, the corals and reefs were being affected. Member stressed the importance of ensuring the reef is not affected and suggested to keep the cooling system 30 meters deep and 30 meters away from the reef.
- A participant inquired how the waste would be segregated and sorted, and requested for more details. Participant stressed that lease waste, mercury, hazardous waste needs to be segregated and if not the bottom ash would contain harmful residuals.
- When inquired, participants mentioned that the current state of Thilafushi poses health risks to their employees such as irritation of eyes, ears and skin, and also difficulty in breathing and an overall decline in health which increased absenteeism, affecting the productivity.
- When inquired if anyone in Thilafushi fished in the area, it was highlighted that it was possible some migrant workers may do so.
- It was agreed to share the exact location of the business lots.

Minutes of the Public Hearing for the EIA for the Regional Waste Management Facility at Zone 3 in Thilafushi

Venue: Auditorium, Ministry of Environment, Male', Maldives Date: 4th September 2019 Time: 1400 hrs

1. Welcome

Mr. Ahmed Murthaza, Director General, Ministry of Environment thanked everyone for attending the public hearing held as part of the EIA carried out for the Regional Waste Management Facility to be established at Thilafushi for zone III in the Maldives. Mr. Murthaza noted that the meeting was organized by Ministry of Environment for a request by Water Solutions Pvt Ltd as the EIA consultant for the project. Public Hearing is part of the EIA work that is being carried out for the project in accordance with ADB Safeguard Policy and EIA Regulation implemented by EPA. Mr. Murthaza introduced the project team.

The main component of the Regional Waste Management Facility, includes, the waste to energy facility and the residual landfills at Thilafushi, which would be developed under a Design Build Operate (DBO) contract where the Design-Build period is expected to be 3 years. The Operation Service period is 15 years. The Design-Build of the facility will be funded by the Government of Maldives using the proceeds of a loan co-funded by the Asian Development Bank (ADB), the Asian Infrastructure Investment Bank (AIIB), and the Islamic Development Bank (ISDB). The Operation Service component of the DBO contract will be funded by the Ministry of Environment and Energy (ME).

2. Purpose of the Meeting

Mr. Ahmed Murthaza explained that the purpose of the meeting was to inform public about the Thilafushi Regional Waste Management Project as well as the EIA process that is currently underway. The public meeting were to inform public and other stakeholders of the identified key issues, to provide public and stakeholders the opportunity to raise additional issues or concerns that have not been identified in the EIA.

3. Presentation

Mr. Mohamed Asif, Social and Environmental Safeguards Specialist - Greater Male' Environment **Improvement** and Waste Management Project, **Ministry** Environment presented an overview of the project. He provided details of the Greater Male' Environment Improvement and Waste Management Project components including the waste to energy component which is the establishment of the waste to energy facility as part of the Regional Waste Management Facility at Thilafushi for Zone III. In his presentation he presented an overview of the ADB Safeguard Policy Statement (SPS) noted the components that is relevant to this project. He noted that EIA has been prepared in accordance with the requirements of ADB Safeguard Policy Statement, which categorized the Thilhafushi waste project as Category A, that required to undertake an EIA and the Terms of Reference (TOR) issued by the Environmental Protection Agency.

In his presentation, he presented the Grievance Redress Mechanism that had been developed for the project. He provided details of the mechanism outlining how the grievances could be addressed at First level, Second Level and Third Level where an individual or an interest group has the option of going to established judiciary system of the Maldives with their grievances.

Mr. Ahmed Jameel, EIA Consultant at Water Solutions provided a detail presentation of the findings of the EIA that carried out for the Regional Waste Management Facility at Thilafushi for Zone III project. During the presentation, he provided details of the proposed Greater Male' Waste to Energy at Thilhafushi and provide a details of the context and rationale for the project. He explained the purpose of the EIA that had been carried out for the project and detail out the objectives of the EIA. The Terms of Reference issued for the project from EPA was presented and highlighted the key issues that was highlighted in the TOR. The EIA Consultant presented the approach the EIA team took undertake the EIA Study. The findings of the study was presented in very details including the existing environment of the study area focusing on the

physical environment providing the details of the topography of the site, marine water and sediment quality. Marine environment of study area was presented by covering the coral reef, marine water quality and sediment quality. The context of climate change and disaster risks were presented. The legislative and regulatory consideration which is important to the project was highlighted. The results of the air quality monitoring that was carried out for the baseline monitoring were presented.

After presenting the existing environment of the project site, significant environmental impacts were presented. These includes the environmental impacts during the construction stage and operation phase of the project. During the presentation, a very detail account of the hot water dispersion modelling work that was carried to study the impacts of hot water on the marine environment, air pollutant dispersion from the stack emission was presented.

One of the objectives of the EIA is to minimize or avoid environmental impacts from the project activities. The aspects that had been integrated into the design of the project was highlighted which are part of the impact mitigation measures identified in the EIA. Similarly the mitigation measures that was recommended to be undertaken during the construction and operation phase of the project were presented.

The alternatives to the project were also presented. Some of these were considered during the early stage of the project development.

As a last component of the presentation was the presentation of the Environmental Management Plan proposed for the project. This included the proposed environmental monitoring to monitor the impacts of the project during the construction and operation phase of the development. Additionally Health and Safety, Environmental Management Capacity and proposed Environmental Emergency Response Plan was presented.

4. Questions and Discussion.

It was asked if the residents of the area would benefit from this project.

Mr. Asif stated that the residents of Male', Villingili, Gulheefalhu and people working at Thilafushi would benefit directly from this project. The project would extinguish the smoke from Thilfushi dumpsite and waste to energy facility will help to manage, treat and dispose waste in a manner an acceptable way that will have no impact on the communities living around the facility. He explained that the project would also generate jobs for the entire region, not just the community.

A participant asked why a large Incinerator has been proposed to manage the waste. He asked why sorting and reuse of waste has been not proposed as the method to manage the waste that is generated from Greater Male' Region.

Consultant answered to the question by saying that 3R strategy has been considered while developing the Regional Waste Management Project for the Greater Male' region and Zone III. Waste to Energy facility was considered as a measure to reduce the volume of waste that would go final landfilling as bottom ash and fly ash. Presently allocated land for land filling can be used for 15 years without bottom ash recycling. If bottom ash can be reused, then the life the landfill would be extended. Due to this reason the other methods for final treatment of waste has not been feasible in the Maldives.

A participant raised the question that incinerator would be fueling by high calorific materials such as plastics and this would become a disincentive to minimize the use of single use plastic.

Though waste to energy is main component of the regional waste management system at Thilhafushi, the sorting of the waste could be carried out at source, at transfer station and at waste receiving area of Thilfushi. The waste management system developed for the Zone III does not discourage sorting, reduction of single use plastic and reuse of waste. These streams would improve in the future as a result of the public awareness and education programs that would be implemented as part of the project.

A participant raised the question that waste to energy plant will burn all type of waste. This will move the public away from sorting of the waste at source such as household and offices.

Consultant replied during the feasibility study stage of the project different methods and technologies for the management of waste was considered.

saying that a sorting facility cannot be accommodated in the Male' transfer station and there will be a civic amenity facility at Hulhumale' where people can bring in their sorted waste.

A participant raise the question that he wanted to know how much the tax payers will be paying to the DBO contractor to run the waste to energy plant at Thilafushi

Consultant replied that WAMCO or ME will establish a tariff system. Operator will charge a gate fee as well. Taxpayers will have to subsidize the management of waste. Mr. Murthaza clarified that the Ministry and the project team is in discussion to work out a tariff system that would not be a burden the public but it would generate enough revenue to keep the operations in a sustainable mode.

A participant raise the question that why Ministry of Energy is undertaking an energy project not a waste management project to address the current urgent waste issue at Thilafushi.

Mr. Murthaza answered to this question. He stated that the Ministry of Environment has no intention of implementing an energy project. The proposed project is a waste management project. Waste to Energy specialist working for this project have noted that the waste incinerator with or without the waste to energy system would have no impact on the efficiency of the incinerator. However with a waste to energy system, the plant can generate 8MW of electricity which can be used for Thilafushi and for the Greater Male' Region with the government vision of having a bridge which connects Male' to Thilafushi.

A participant raise the question that hazardous and medical waste cannot be treated at a waste to energy plant. So how this kind of waste generated in Male' can be managed or treated.

It was noted from the consultant that waste to energy plant can manage small quantity of the waste. However batteries should not be incinerated. Mr. Murthaza replied that the hazardous waste would be separated, stored in appropriate containers.

A participants raised the issue of ownership of the energy that would be produced from the Waste to Energy facility and other valuable by products.

Mr. Murthaza. replied that the ownership and responsibility of the products from Waste to Energy facility has not been decided. This includes energy from waste to energy, metals and bottom ash. Excess energy will be converted into hot water and discharge to the sea. One of the options that is being discussed to have a business model would be made to determine a percentage of profit from sale of such projects to the operator.

A participant enquired when the open burning will stop at Thliafushi.

Mr. Asif replied stating that one of the most priority of the project is to stop the burning and extinguish the smoke from Thilafushi. The project is trying to procure urgently needed equipment to better manage the existing dumpsite at Thilfushi. With this intervention, WAMCO will be able to cover the waste that is dumped to the waste mount on a daily basis which will

prevent the fire and smoke. The project is also recruiting an expert on managing the dumpsite who will train and oversee the operation of WAMCO at Thilafushi dumpsite.

A participant enquired about the capacity of the incinerator that had been designed for and if the design foresees a decrease in waste generation.

The consultant explained that during the feasibility stage a number of scenarios was considered. The proposed design has a number of mechanism to mitigate the risk either waste received is higher than the forecasted amount or lower than the forecasted value. Waste generation of 500 tonnes per day without CnD waste is expected for 2022. Waste is also expected to increase from the tourism industry and after the airport development project is completed. There needs to be policy level changes to incorporate and implement sorting and waste reduction, such has less packaging. These would help to lower the growth of amount of waste generation. This can delay the construction of the third line in the waste to energy facility.

A member of the community enquired whether they could see the final draft of the EIA and the studies that had been completed as part of the project. He also enquired whether he could submit comments to EIA when it released to the public.

The consultant explained that the draft final report will be made public at ADB and EPA website. ADB will make it public for commenting for 3 months as part of the ADB ADB Safeguard Policy Statement for Category A project. Hence the public is encouraged to submit comments and concern to the project. Mr. Asif also explained that through the Grievance Redress Mechanism for the project, the public can address their Grievances to the project during the project implementation stage. Any comments or concern raised would be considered by the project team.

5. Closure

The meeting ended at 1530.

Photos from the Public Hearing Meeting







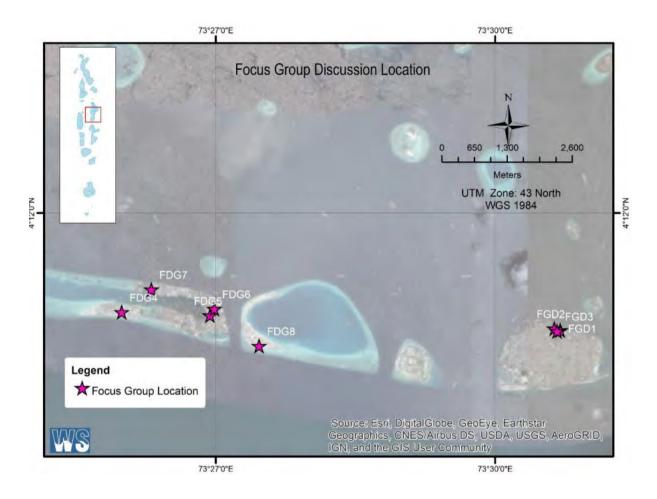


Minutes of the Focus Group Discussions EIA for the Regional Waste Management Facility at Zone 3 in Thilafushi

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1 Locations where Focus Group Discussion were held



Venue: Jumhoori Park, Male', Maldives

Date: 30th August 2019

Time: 1630 hrs

A focus group discussion was carried out with the expatriates living in Male'. The expatriate communities comes to the Jumhoori Park Public Square on Friday afternoon. The participants of the FGD were presented the Greater Male' Environment Improvement and Waste Management Project by Mr. Mohamed Asif, Social and Environmental Safeguards Specialist - Greater Male' Environment Improvement and Waste Management Project, Ministry of Environment. Mr. Ahmed Jameel, EIA Consultant at Water Solutions provided the findings of the EIA to the group members. Colour Maps printed on A3 was used as aid to show the present situation of Thilafushi, the proposed Greater Male' Waste to Energy Project and bird eye view of Thilafushi after the completion of the project.

The FDG were women and all of them in the group have not been to Thilafushi. They are mostly domestic workers working at houses in Male'. However they have seen the smoke rising from Thilafushi from western side of Male'. Some of them said they have experience the bad smell coming from Thilafushi on some days.

Some of the members in the group said they have friends who have visited Thilafushi and they said the island has a very big waste dumpsite. Some days the waste site is on fire.

The group felt that improving the waste management at Thilhafushi will improve the condition of people working at the island.

Closure

The meeting ended at 1700 hrs

Attendance - Focus Group Discussions 1

Following people were at FDG. Most of the people in the group were reluctant to give details of their contact.

Name	Gender	Country	Contact
Latha	Female	Work as a housemaid. Expatriate from India	-
Nirumalee	Female	Work as a housemaid. Expatriate from India	-
Dharushinee	Female	Work as a housemaid. Expatriate from India	-
Charanjee	Female	Work as a housemaid. Expatriate from India	-
Phrajeet	Female	Work as a housemaid. Expatriate from India	-
Anjali	Female	Work as a housemaid. Expatriate from India	-
Gittu	Female	Work as a housemaid. Expatriate from India	-
Paramjit	Female	Work as a housemaid. Expatriate from India	-
Baljeet	Female	Work as a housemaid. Expatriate from India	-
Mamta	Female	Work as a housemaid. Expatriate from India	-
Thn	Female	Work as a housemaid. Expatriate from India	-
Sarita	Female	Work as a housemaid. Expatriate from India	-

Photos from the Focus Group Discussions 1





Venue: Jumhoori Park, Male', Maldives

Date: 30th August 2019

Time: 1710 hrs

A focus group discussion was carried out with the expatriates living in Male' at Jumhoori Park Public Square on Friday afternoon. The participants of the FGD were presented the Greater Male' Environment Improvement and Waste Management Project by Mr. Mohamed Asif, Social and Environmental Safeguards Specialist - Greater Male' Environment Improvement and Waste Management Project, Ministry of Environment. Mr. Ahmed Jameel, EIA Consultant at Water Solutions provided the findings of the EIA to the group members. Colour Maps printed on A3 was used as aid to show the present situation of Thilafushi, the proposed Greater Male' Waste to Energy Project and bird eye view of Thilafushi after the completion of the project.

Everyone in the group knows about Thilafushi as they know it is place they can find work easily. Some of them have been Thilhafushi and knows about the smoke and its impact on the people on the island. Most of the people in the group were employed as construction workers working at construction sites in Male'.

The group felt that improving the waste management at Thilhafushi will improve the condition of people working at the island.

Closure

The meeting ended at 1730 hrs

Attendance - Focus Group Discussions 2

Following people were at FDG. Most of the people in the group were reluctant to give details of their contact.

Name	Gender	Country	Contact
Akash	Male	Expatriate from Bangledhesh working as a construction laborer	-
Shahidul	Male	Expatriate from Bangledhesh working as a housemaid	-
Prito	Male	Expatriate from Bangledhesh working as a construction laborer	-
Manzoor	Male	Expatriate from Bangledhesh working as a house helper	-
Anawar	Male	Expatriate from Bangledhesh working as a construction laborer	-
Hossain	Male	Expatriate from Bangledhesh working as a house worker	-
Sarker	Male	Expatriate from Bangledhesh working as a construction laborer	-
Munes	Male	Expatriate from Bangledhesh working as a house helper	-
Wasif	Male	Expatriate from Bangledhesh working as a construction laborer	-
Reza	Male	Expatriate from Bangledhesh working as a construction laborer	-
Athiu	Male	Expatriate from Bangledhesh working as a paint worker	-
Sharee	Male	Expatriate from Bangledhesh working as a house helper	-

Photos from the Focus Group Discussions 2





Venue: Jumhoori Park, Male', Maldives

Date: 30th August 2019

Time: 1740 hrs

A focus group discussion was carried out with the Maldivians living in Male' at Jumhoori Park Public Square on Friday afternoon. The group mainly had Maldivian women who were at the park. The participants of the FGD were presented the Greater Male' Environment Improvement and Waste Management Project by Mr. Mohamed Asif, Social and Environmental Safeguards Specialist - Greater Male' Environment Improvement and Waste Management Project, Ministry of Environment. Mr. Ahmed Jameel, EIA Consultant at Water Solutions provided the findings of the EIA to the group members. Colour Maps printed on A3 was used as aid to show the present situation of Thilafushi, the proposed Greater Male' Waste to Energy Project and bird eye view of Thilafushi after the completion of the project.

Everyone in the group knows about Thilafushi. Some of the women were from islands who were visiting Male'. Everyone in the group knew Thilafushi is the island where waste is taken from Male'. They said the waste taken at Thilafushi is burnt as they have seen smoke rising from big mountain at Thilafushi. Some people in the group said some days, they can smell really bad from the smoke coming from Thilhafushi. The people in the group said the smoke at Thilhafushi need to be stopped. A group member asked when the fire will be stop at Thilafushi. She was told that one of the main priority of the project is to stop smoke risking and this is an urgent work that will be carried out. The group was informed that the implementation of the Greater Male' Waste to Energy Project will not have visible smoke emitting from the long stack that would be constructed at Thilhafushi.

The group felt that improving the waste management at Thilhafushi will improve the condition of people working at the island.

As we were concluding the FGD, Vice President of Maldives came to the park with his son. He met the members of the FGD.

Closure

The meeting ended at 1800 hrs.

Attendance - Focus Group Discussions 3

Following people were at FDG. Most of the people in the group were reluctant to give details of their contact.

Name	Gender	Country	Contact
Nadheema	Female	Maldivian	-
Amira	Female	Maldivian	-
Shareef	Female	Maldivian	-
Fathimath	Female	Maldivian	-
Aishath	Female	Maldivian	-
Nihaani	Female	Maldivian	-

Photos from the Focus Group Discussions 3









Venue: Thilhafushi, Maldives Date: 1st September 2019

Time: 1000 hrs

A focus group discussion was carried out with the people working at Thilhafushi, west of the proposed waste to energy project site. The group mainly had expatriate workers and Maldivian supervisor who were doing some construction work at Thilhafushi. The group members said that they have been working at Thilafushi over a year. All of the group members comes to work at Thilhafushi in the morning and leave to Male' in the afternoon. They take the public ferry to Thilhafushi.

The participants of the FGD were presented the Greater Male' Environment Improvement and Waste Management Project by Mr. Mohamed Asif, Social and Environmental Safeguards Specialist. Mr. Ahmed Jameel, EIA Consultant at Water Solutions provided the findings of the EIA to the group members. Colour Maps printed on A3 was used as aid to show the present situation of Thilafushi, the proposed Greater Male' Waste to Energy Project and bird eye view of Thilafushi after the completion of the project.

Everyone in the group knows about smoke issuing facing Thilafushi as they have to cross the site on a daily basis. The group member said, the situation of smoke depends on the wind direction. If they have to work downwind, the situation becomes very difficult. Some days, they have to stop work because the smoke makes it impossible for them to work. The group members said, urgently the smoke issue need to be addressed and better waste management need to implement at Thilhafushi. The group member said they have seen a number of development near the waste dumpsite. They pointed out new land had been reclaimed and new equipment had been installed to manage the waste.

A group member asked when the fire will be stop at Thilafushi. He was told that one of the main priority of the project is to stop smoke risking and this is an urgent work that will be carried out.

The group felt that improving the waste management at Thilhafushi will improve the condition of people working at the island. They said they hope that the big stack at the new waste to energy plant will not have any visible smoke emitting from the long stack that would be constructed at Thilhafushi.

Closure

The meeting ended at 1030 hrs.

Attendance - Focus Group Discussions 4

Following people were at FDG.

Name	Gender	Country	Contact
Abdul Mannan	Male	Maldivian	7967447
Al Ameen	Male	Expatriate from Bangledhesh working as a construction laborer	-
Santil	Male	Expatriate from Bangledhesh working as a construction laborer	-
Mumeen	Male	Expatriate from India working as a construction laborer	-
Algiri	Male	Expatriate from Bangledhesh working as a construction laborer	-
Balaau	Male	Expatriate from India working as a construction laborer	-
Amir	Male	Expatriate from Bangledhesh working as a construction laborer	-
Shahid	Male	Expatriate from Bangledhesh working as a construction laborer	-
Haleem	Male	Expatriate from Bangledhesh working as a construction laborer	-

Photos from the Focus Group Discussions 4



Venue: Thilhafushi, Maldives Date: 1st September 2019

Time: 1100 hrs

A focus group discussion was carried out with the people working at Heavy Force Site 2 at Thilhafushi. The site is located north east of the proposed waste to energy project site. A total of 8 people participated in the discussion: 6 were Bangladeshi and two were Maldivian. All of the Bangladeshi participants are employed under "laborer" visas. However, their work ranged from cleaning the barge to driving vehicles. The two Maldivians worked in supervisory positions. All of the group members has been living at Thilafushi for more than one year.

All of the participants said they would be willing to continue to work in their current jobs even though the site is impact from the heavy smoke from the waste dump site. At night Thilhafushi is a very quiet place. A participant told that at night, they would some time hear explosion from the dumpsite as bottles and canister catches fire.

The participants of the FGD were presented the Greater Male' Environment Improvement and Waste Management Project by Mr. Mohamed Asif, Social and Environmental Safeguards Specialist. Mr. Ahmed Jameel, EIA Consultant at Water Solutions provided the findings of the EIA to the group members. Colour Maps printed on A3 was used as aid to show the present situation of Thilafushi, the proposed Greater Male' Waste to Energy Project and bird eye view of Thilafushi after the completion of the project.

The group member said, the situation of smoke depends on the wind direction. If they have to work downwind, the situation becomes very difficult. Some days, they have to stop work because the smoke makes it impossible for them to work. During the discussion, issues related when the smoke would be extinguish, when the project start and what will to the surrounding area after the completion of the project were covered.

The group felt that improving the waste management at Thilhafushi will improve the condition of people working at the island.

Closure

The meeting ended at 1100 hrs.