**Apparently relevant tables in LemnaTest**

**Snapshot Table-**

id – (auto increment) – Generic id parameter, indexed, primary key

propagated – Boolean - ??????

configuration – bigint - not related to the amount watered for the weight, related to the date and measurement label however

id\_tag – text – exactly the same as the car tag. No difference found and no foreign relation

colour integer – int -- ??????

visited – Boolean - ?? True on first “watering test”

creator – text – no relation to any other table, seems suspicious

comment – Text – comment

car\_tag – text – integer that is the same as id\_tag

measurement\_label – text – Arbitrary labeling of the measurement

time\_stamp with timezone – timestamp – timestamp

weight\_before – real – presumably in grams, no label, weight before watering

weight\_after – real – presumably in grams, no label, weight after watering

water\_amount – integer – amount of water added (oz? ml?) unit not specified

completed – Boolean – represents if it occurred.

**lemnagrid\_description –**

id – bigserial – standard id

propagated – Boolean - ???? probably related to snapshot table, nothing notied

label – text - something that matches the snapshot table.. artificialTomato

creator – text – Same name as creator in snapshot table

created – timestamp – presumably time something was created

state – integer -- ????? only has binary values

last\_state\_change – timestamp – time of last change? To table?

last\_state\_changed\_by – text – username of person who changed

grid\_old – lo - ????

**empty\_cars/full\_cars**

car\_tag – text – matches car tag in all other tables and in the global table. Tables obviously represent full or empty cars.

**job\_table**

id – bigserial – unique id, primary key

propoagated – Boolean – recurring field, purpose unclear

snapshotid – bigint – foreign key that points to a snapshot, presumably a one to many relationship, jobs will have many snapshots

idtag – text – purpose unclear

grid\_id – text – purpose unclear

ana\_label – text – have not seen in any other table

priority – integer – apparent priority of job

status – integer –

creator – text – user who created the job

errormess – text – error message

**analysis**

id – serial – all image tables depend on analysis\_id.

label – text – label of analysis

partial\_analyisis – Boolean –

grid\_id – text – still unknown , starting to think it has to do with the layout

time\_stamp – timestamp –

creator – text – user who created analysis

overwritten\_by\_ana\_i – integer - ??

snapshot\_id – bigint – foreign key referencing snapshot.

**Apparent Relevant tables in LTSystem**

**plants**

id – bigserial – id number

propagated – Boolean – again recurring column that is all false and in the LemnaTest database over multiple tables

identcode – text – Some way of identifying the plant?

carid – text – identify the car (hobo?) that the plants are associated with. Usually the same as the identcode.

Type – text – all blank.

Creator – text – user who created… again no relation

Active – Boolean – presumably if the cart/plant is in use, check lemnatest/dates to be sure?

Timestamp – timestamp – timestamp..

Onsystem – Boolean – lines up with active for each row, may not stay this way.

**watering**

**NOTE: most of the entries were supposed to be processed in the past, presumably this is why they were “missed”**

id – serial – table id

identcode – text – maybe related to the cart name? or the schedule name? not sure, recurring table that IS NOT the id and sometimes has non-number values

time – timestamp – timestamp

starthour – int – 0-24 start hour range of when watering is allowed, example row had start 0 end 24

finishhour – int – 0-24 stop hour range of when water is allowed example row had start 0 end 24

quantity – int – amount to be watered (mL????)

pumpname – text- name of pump. Can be found in pumps table, but not a foreign key.

Type – text - ??? purpose known, all say absolute

Formula – text - ????

Done – Boolean – if the watering was done or not

status – text – if the watering occurred or not. Displays Missed if it missed, Watered on success.

Processed – timestamp – when the watering was processed

Deficiency – text - ??? says Skip for all

Creator – text – creator of watering.

Deflimit – int - ? all are -1

Created – timestamp – timestamp of creation

Pumpconfigid – int – presumably id of the pump config… still not a foreign key