Recently, the first author showed that, given any \( d \in \{1, 3, 7, 9\} \), there exist infinitely positive integers \( n \) such that appending the digit \( d \) to the right of \( n \) any number of times always gives a composite integer. Additionally, it was shown that \( n = 37 \) is the smallest such integer. In this presentation we investigate these problems in the context of appending the digit \( d \) to certain types of positive integers. (Received September 24, 2012)